

FIGURE 1

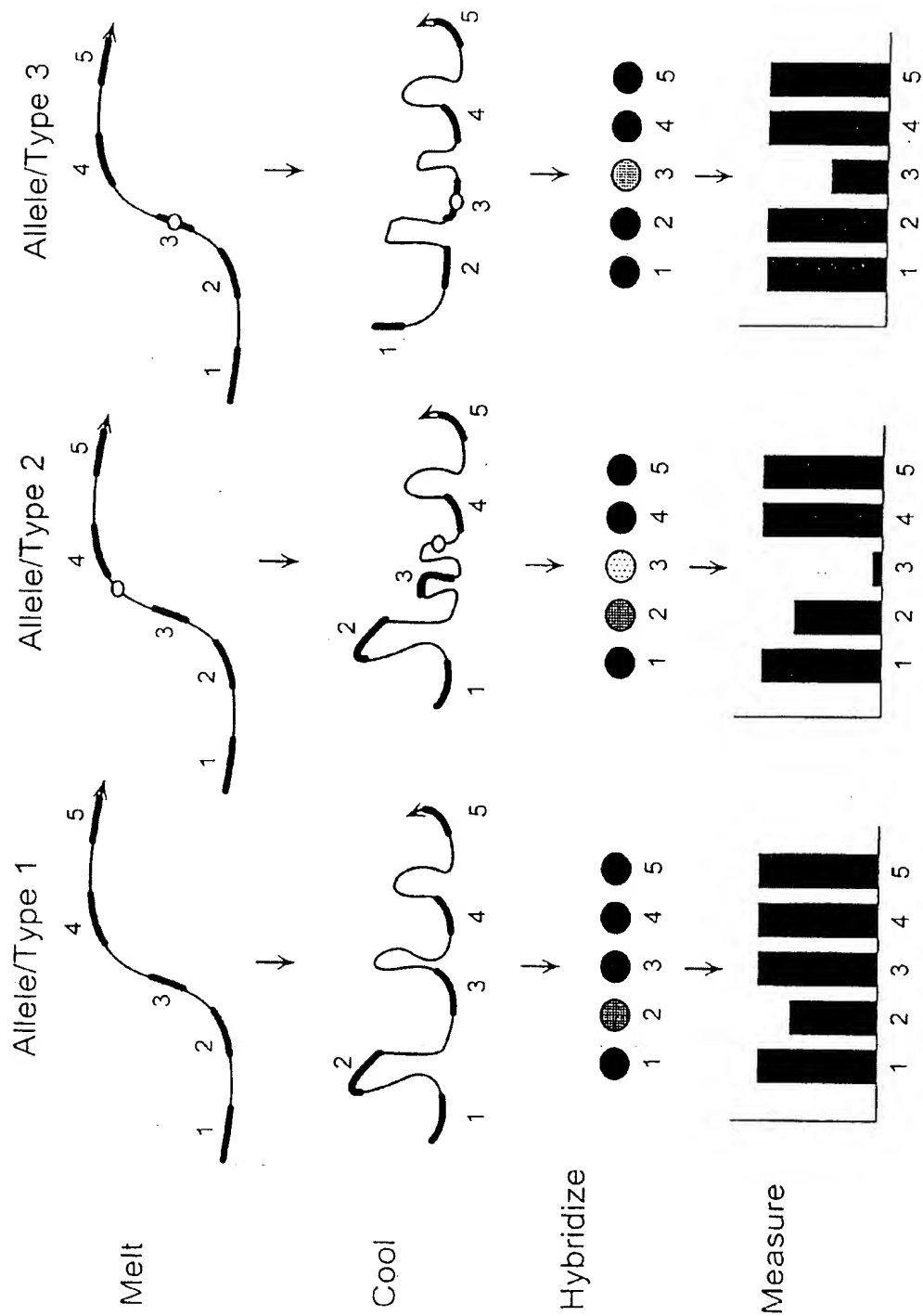


FIGURE 2

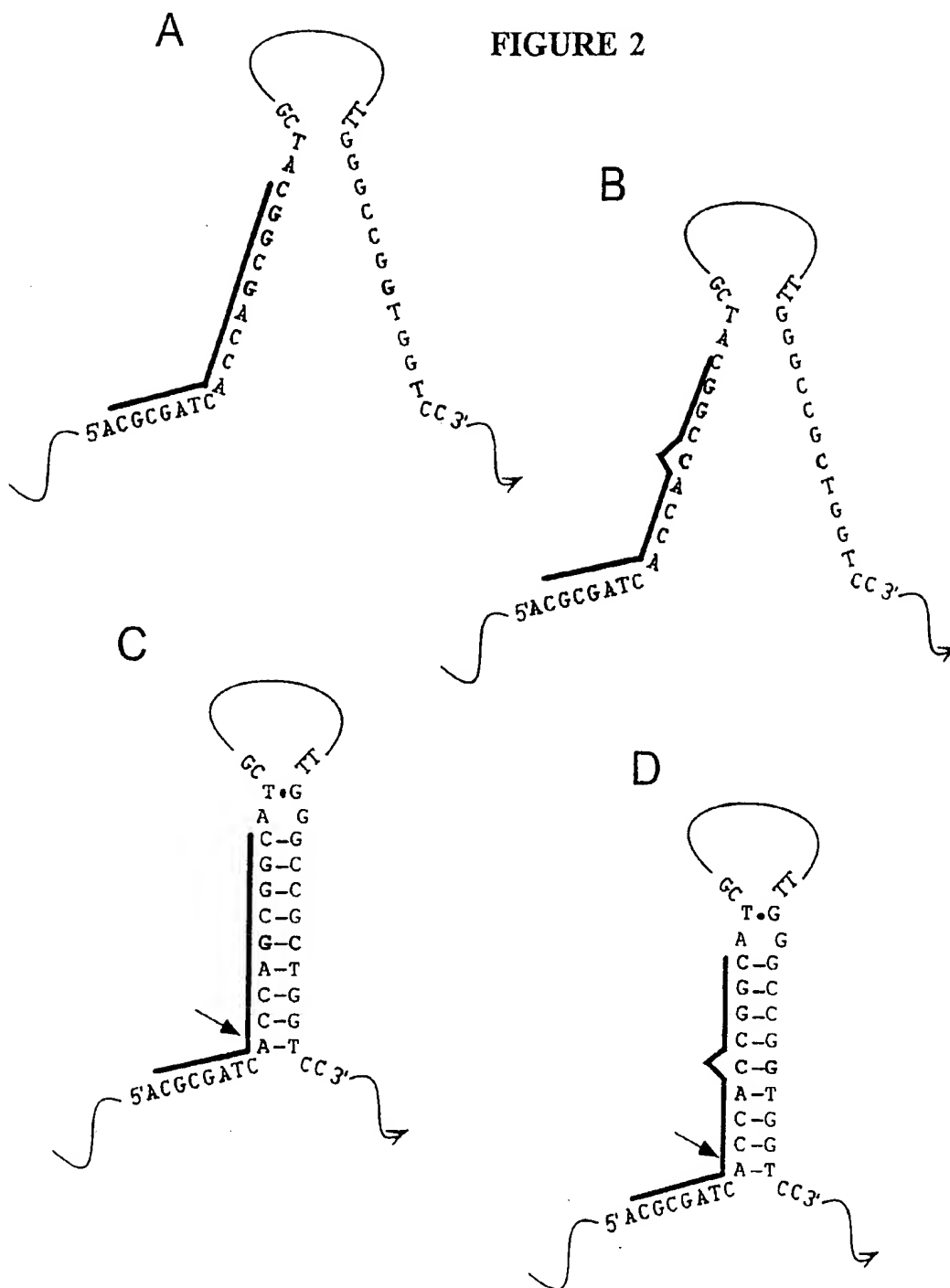
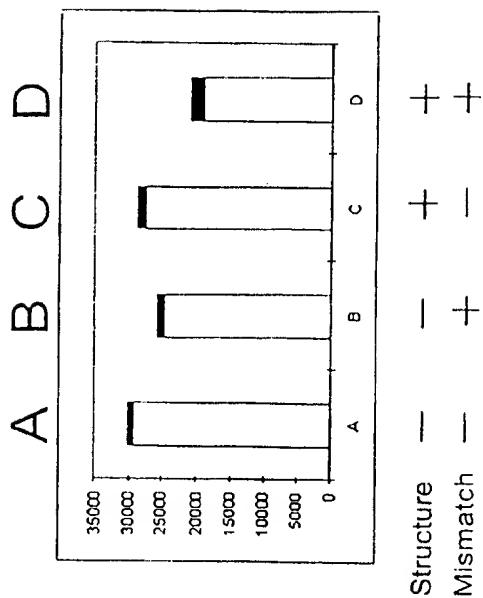
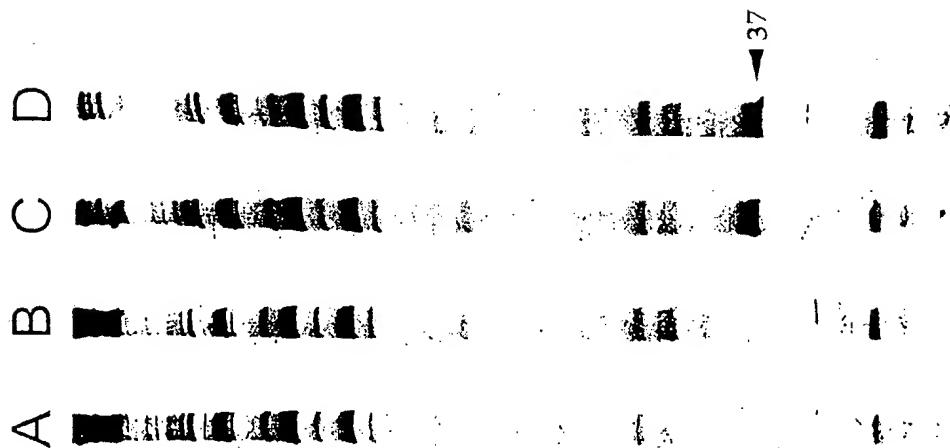




FIGURE 3





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FIGURE 4

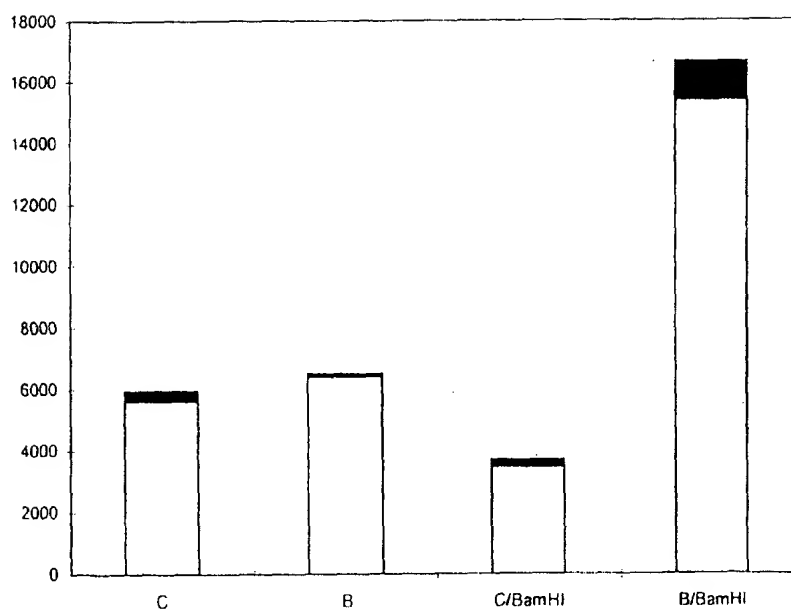


FIGURE 5

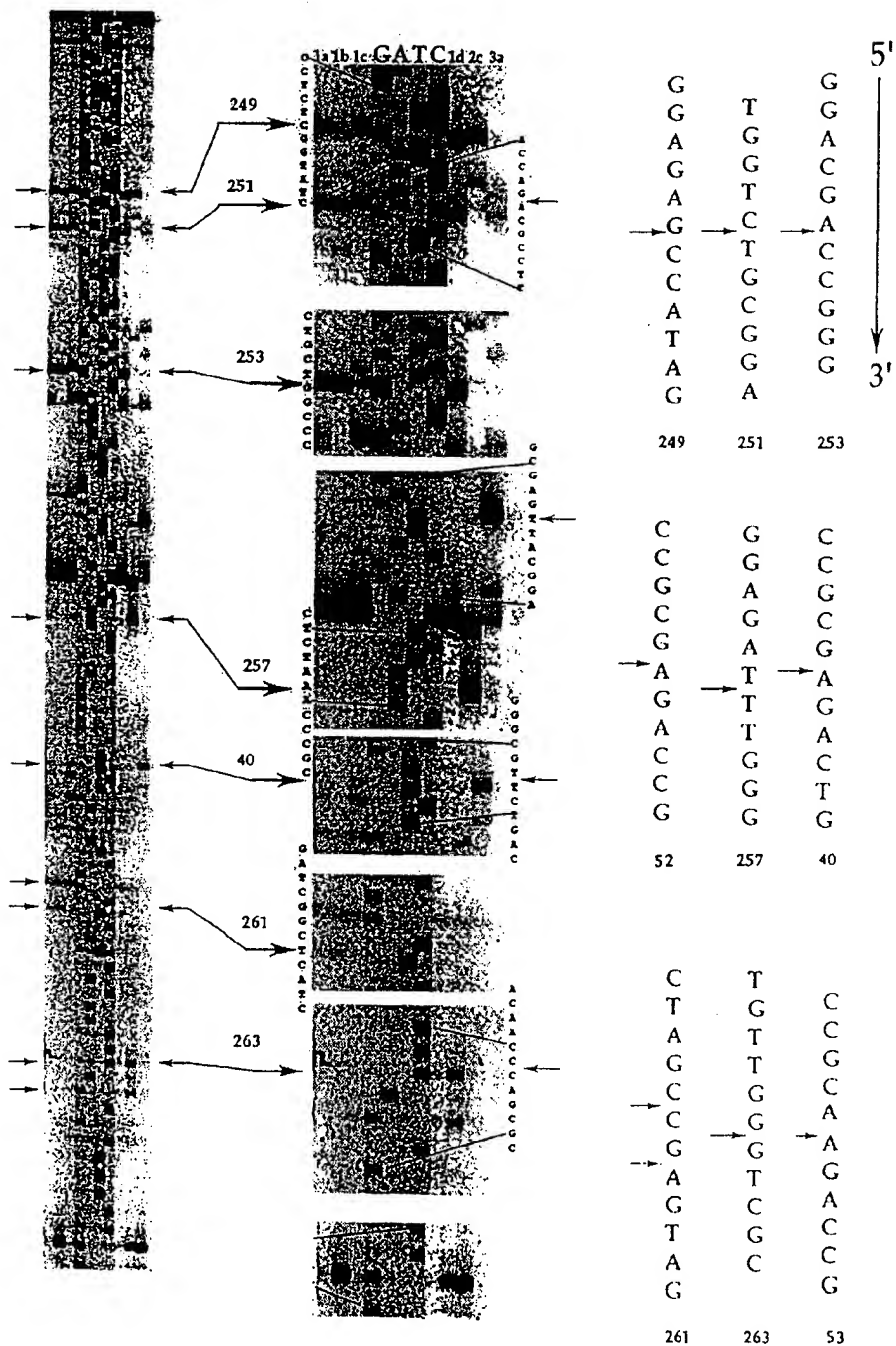




FIGURE 6

Consensus:	GATTCTGTCT	TCACGCAGAA	AGCGTCTAGC	CATGGCGTTA	GTATGAGTGT	CGTGCAGCCT
HCV 1a	-----	-----	-----	-----	-----	-----
HCV 1b	-----	-----	-----	-----	-----	-----
HCV 2c	-----	-----	-----	-----	-----	-A-----
HCV 3a	-----	-----	-C-----	-----	-C-----	-----
		#249		#251		
	CCAGGACCCC	CCCTCCCGGG	<u>AGAGCCATAG</u>	<u>TGGTCTGCGG</u>	AACCGGTGAG	TACACCGGAA
	-----	-----	-----	-----	-----	-----
	-T-----	-----	-----	-----	-----	-----
	-C-----	-----	-----	-----	-----	-----
	-----	-A-----	-----	-----	-----	-----
	#253			#257		
	TTGCCAGGAC	<u>GACCGGGTCC</u>	TTTCTTGGAT	CAACCCGCTC	AATGCCCTGA	<u>GATTGGGGC</u>
	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----
	-G--A	-T-----	-A-----	-A-----	-C--C	-C-----
	-C--TG--GT	-----	-G-----	-----	-A--CA-	-A-----
	#40	#261		#263		
	TGCCCCCGCA	<u>AGACTGCTAG</u>	<u>CCGAGTAGTG</u>	<u>TTGGGTCGCG</u>	AAAGGCCTTG	TGGTACTGCC
	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----
	-----	-G-----	-----	-----	-----	-----
	-----	-----	-C-----	-T-----	-----	-----
	-----	-G-----	-----	-----	-----	-----
	TGATAGGGTG	CTTGGCGAGTG	CCCCGGGAGG	TCTCGTAGAC	CGTGCAATC	-----
	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----
	-----	-----	-A-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----



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FIGURE 7

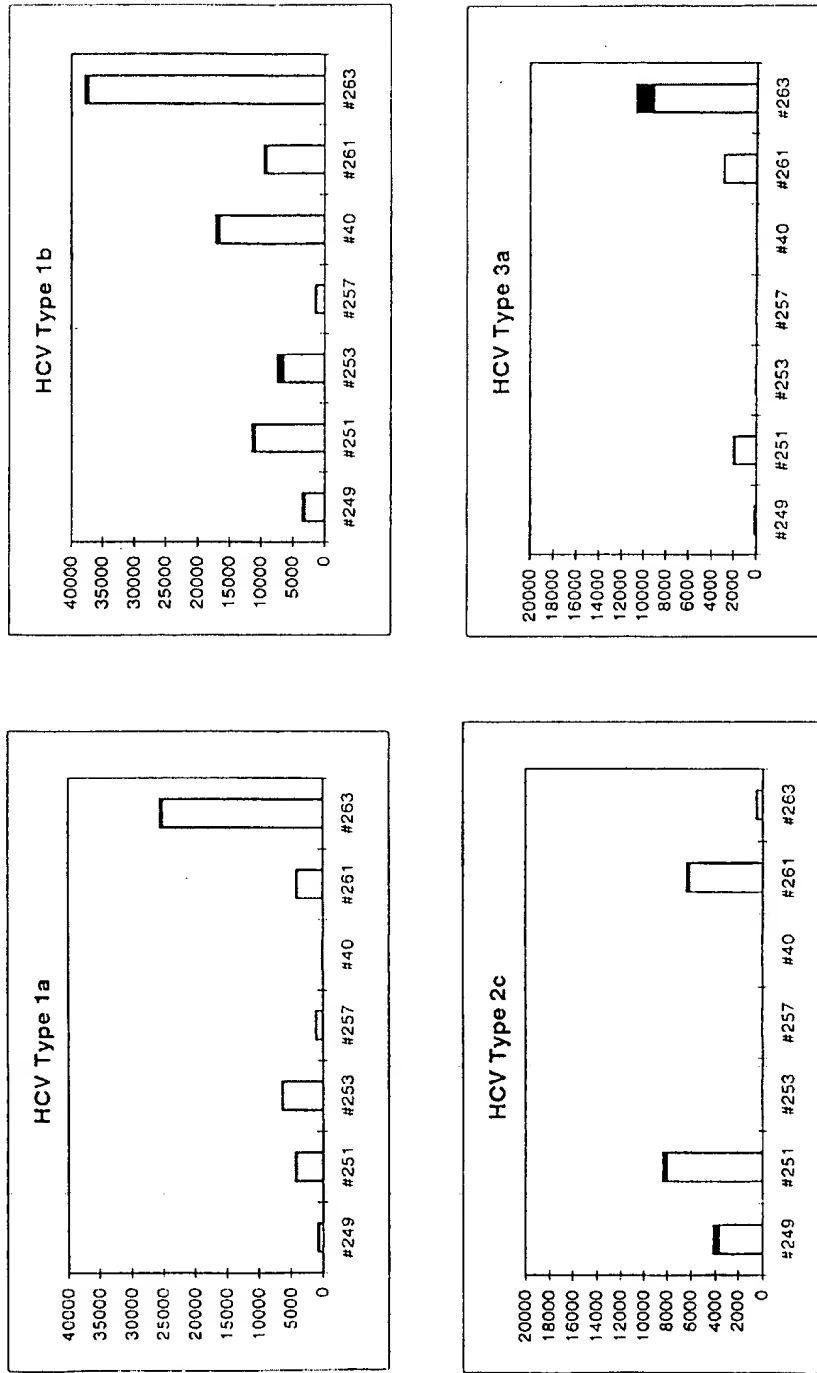




FIGURE 8A

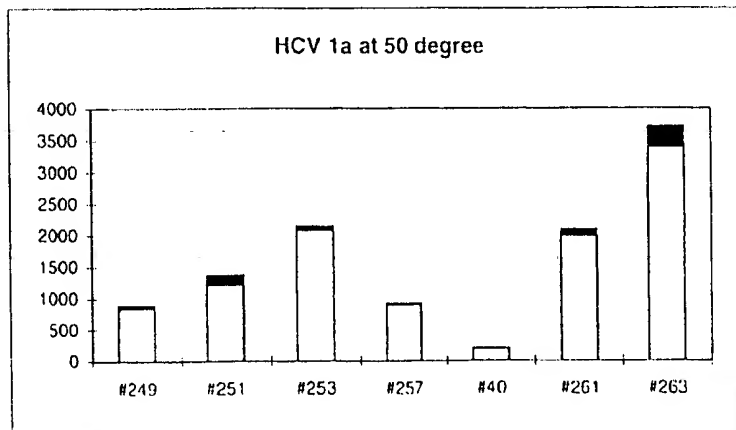
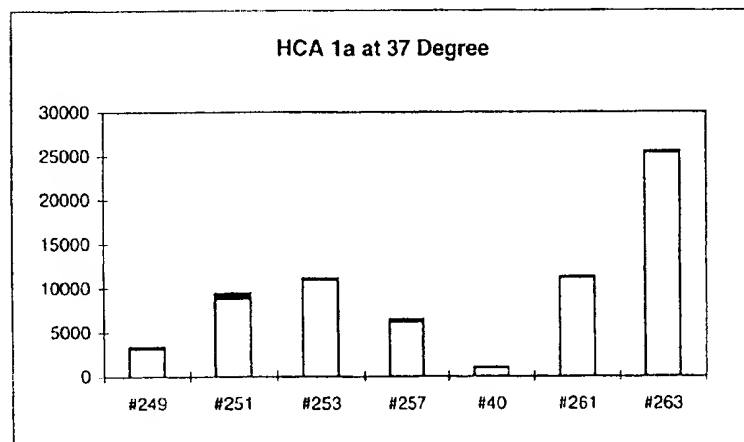
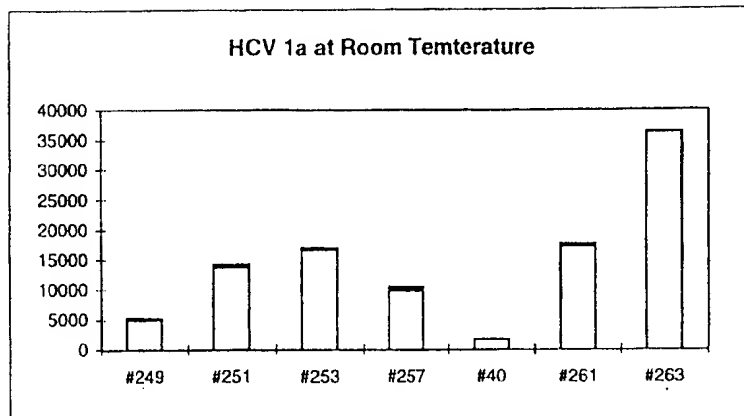
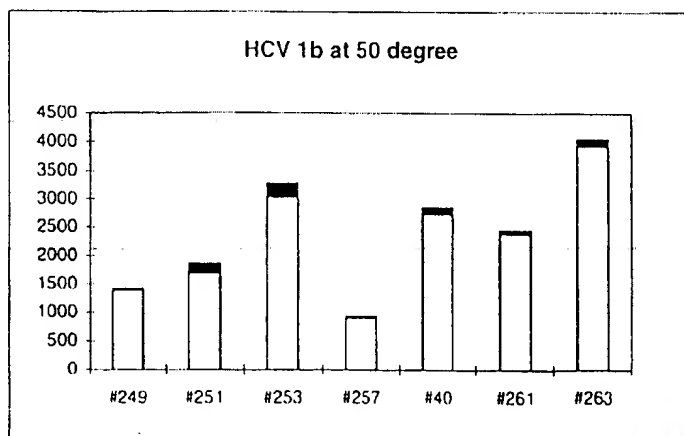
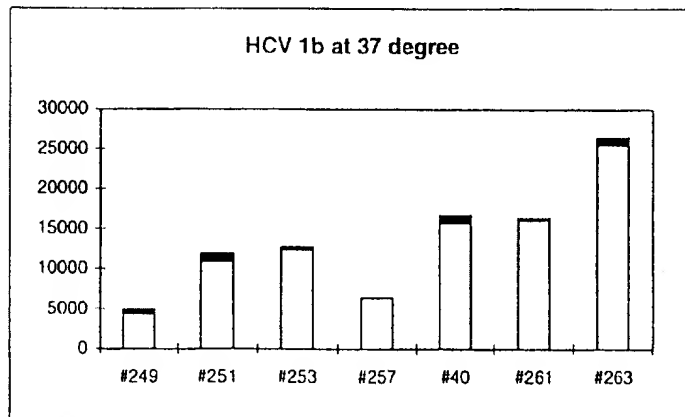
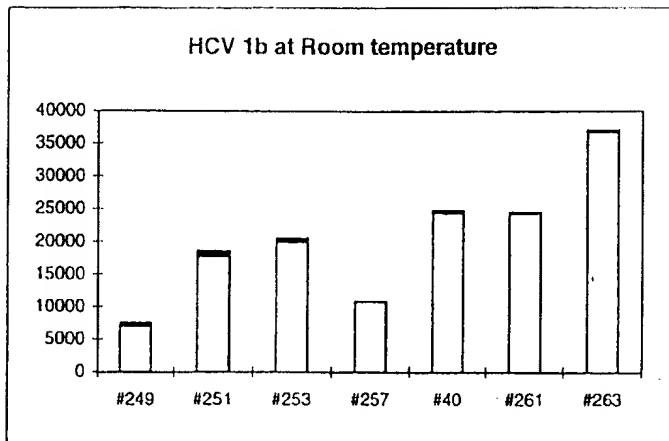




FIGURE 8B





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FIGURE 8C

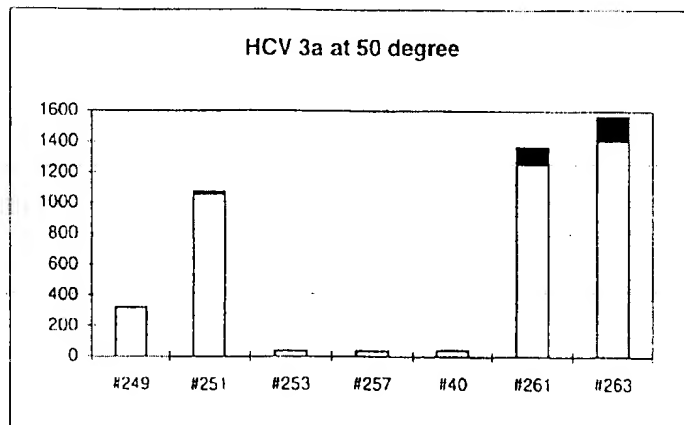
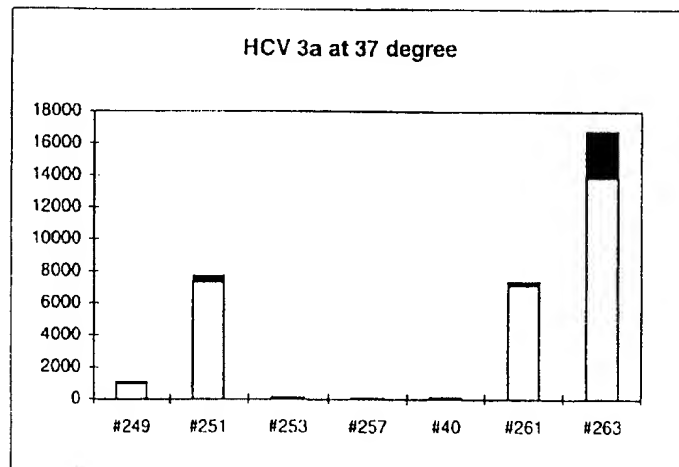
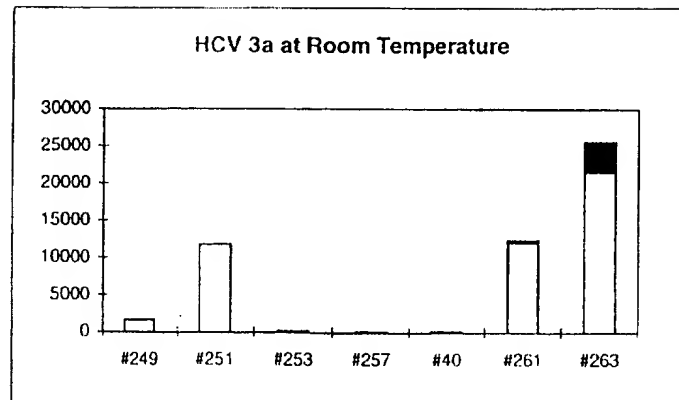




FIGURE 9A

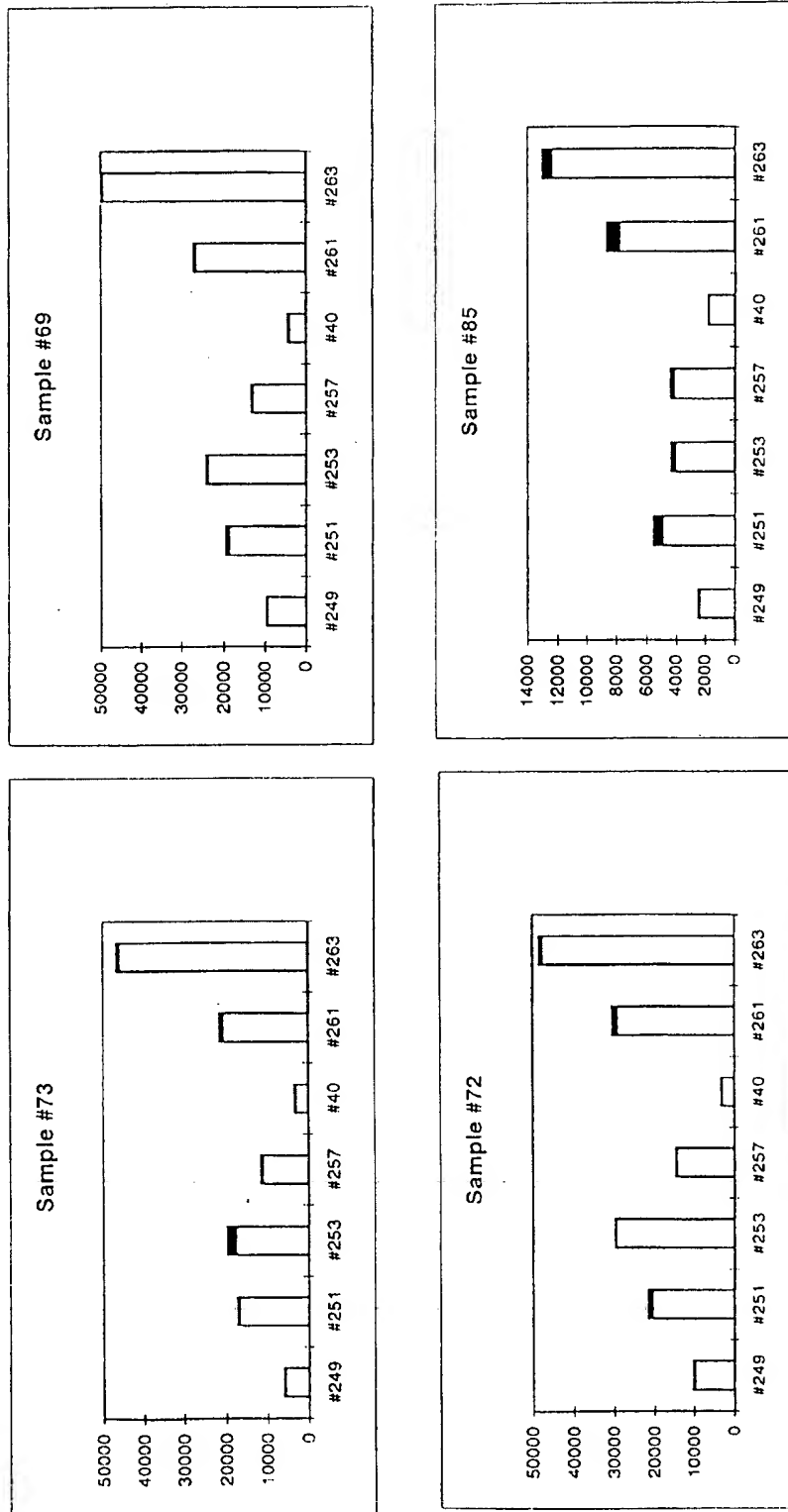




FIGURE 9B

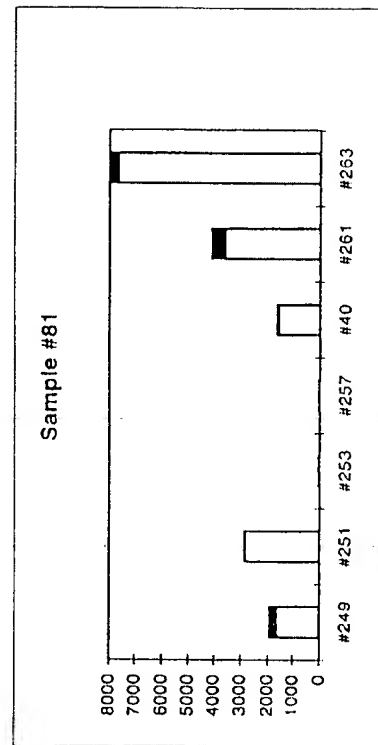
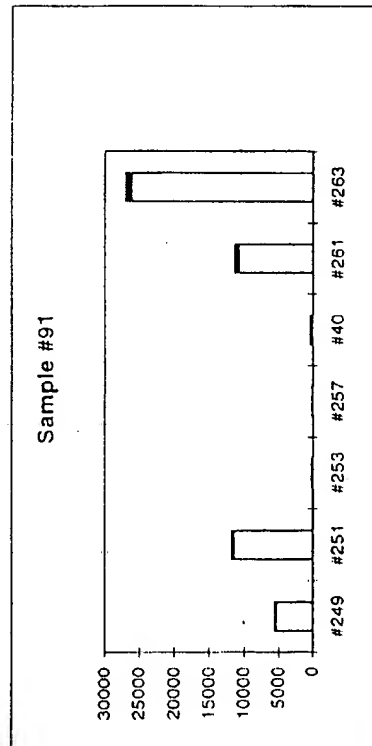
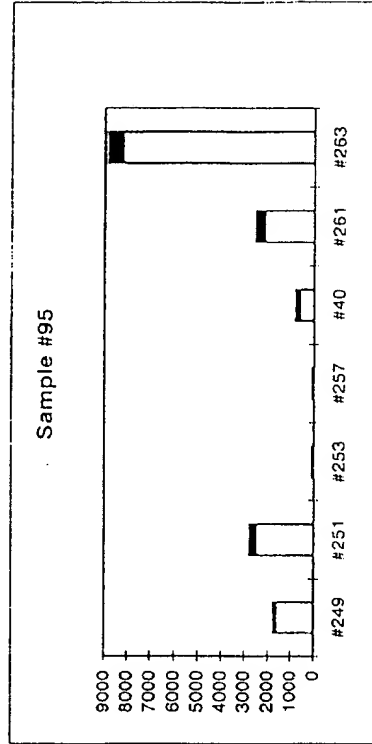
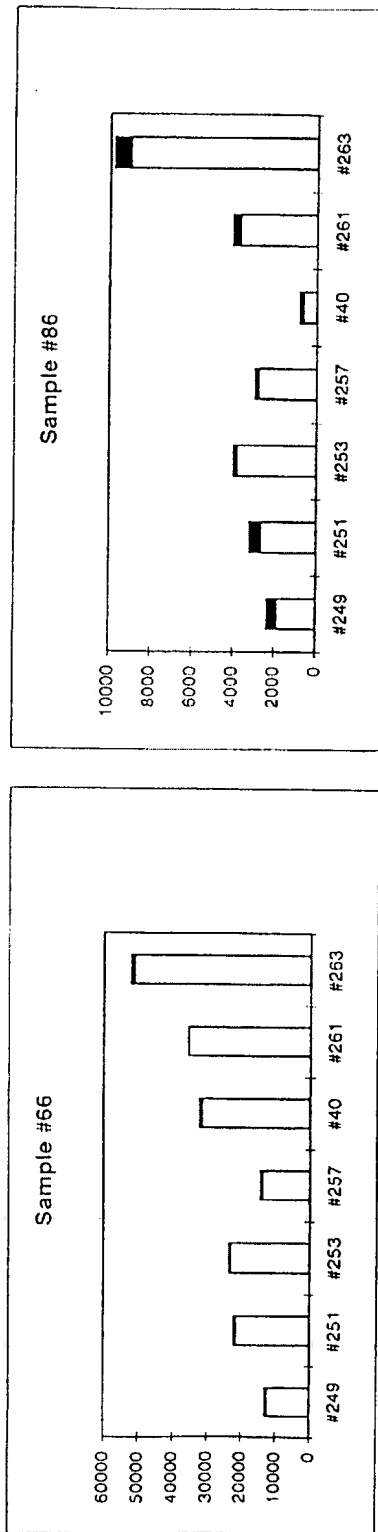




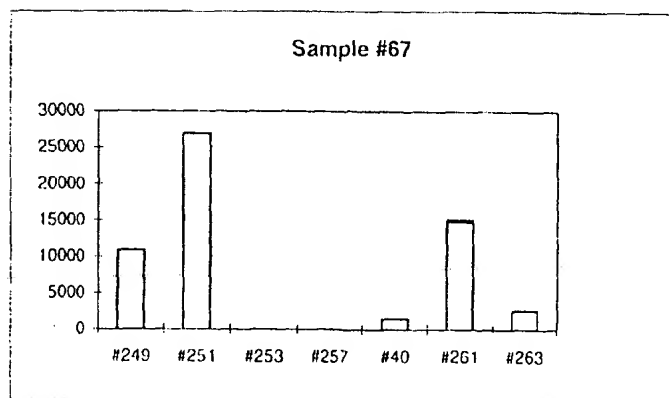
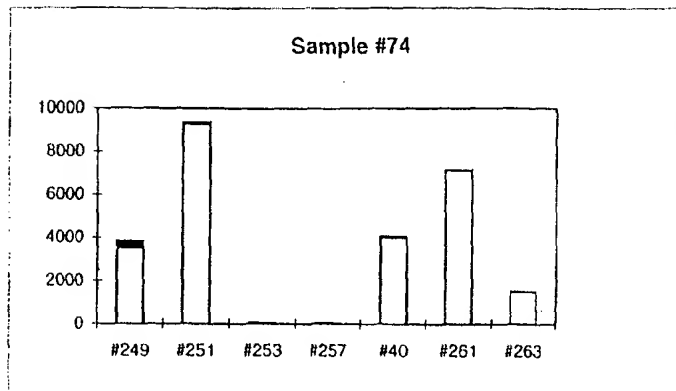
FIGURE 9C





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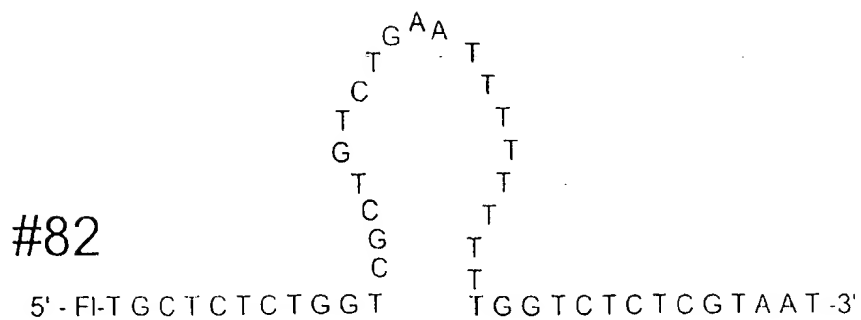
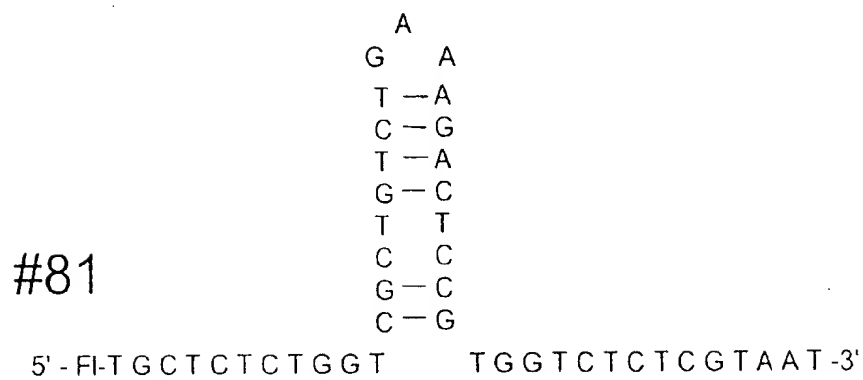
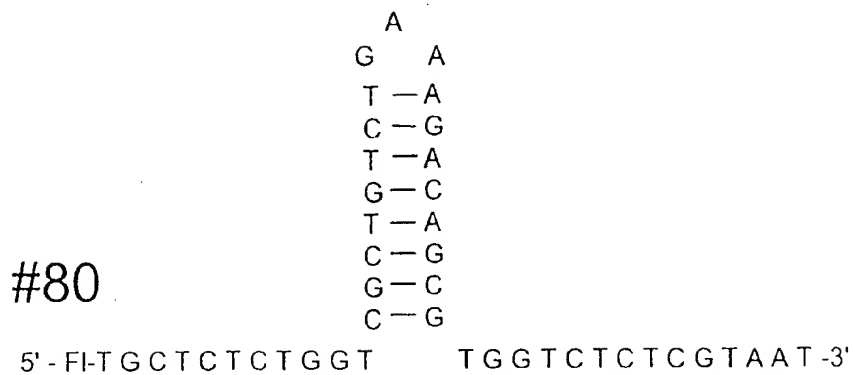
FIGURE 9D





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FIGURE 10





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FIGURE 11A

#2) 5' Biotin

```

      |
      T   A
    C   G   A
    A   T—A
    G   C—G
    A   T—A
    C   G—C
    A   T—A
    G   C—G
    C   G—C
    G   C—G
  
```

#80) 5' - FI-TGCTCTCTGGT TGGTCTCTCGTAAT -3'

#FD91) 3' Biotin - CGAGAGACCA -5'

```

      A
    G   A
    T—A
    C—G
    T—A
    G—C
    T—A
    C—G
    G—C
    C—G
  
```

#80) 5' - FI-TGCTCTCTGGT TGGTCTCTCGTAAT -3'

#78) 3' - AGACCATTACCAGA -Biotin 5'

#4) 3' - GAGACCATTACCAGAG -Biotin 5'

#79) 3' - AGAGACCATTACCAGAGA -Biotin 5'



#116) 3' - AGAGACCAACCAGAGA -Biotin 5'

#117) 3' - TACCAGAGA -Biotin 5'

#118) 3' - AGAGACCAT -5'



FIGURE 11B

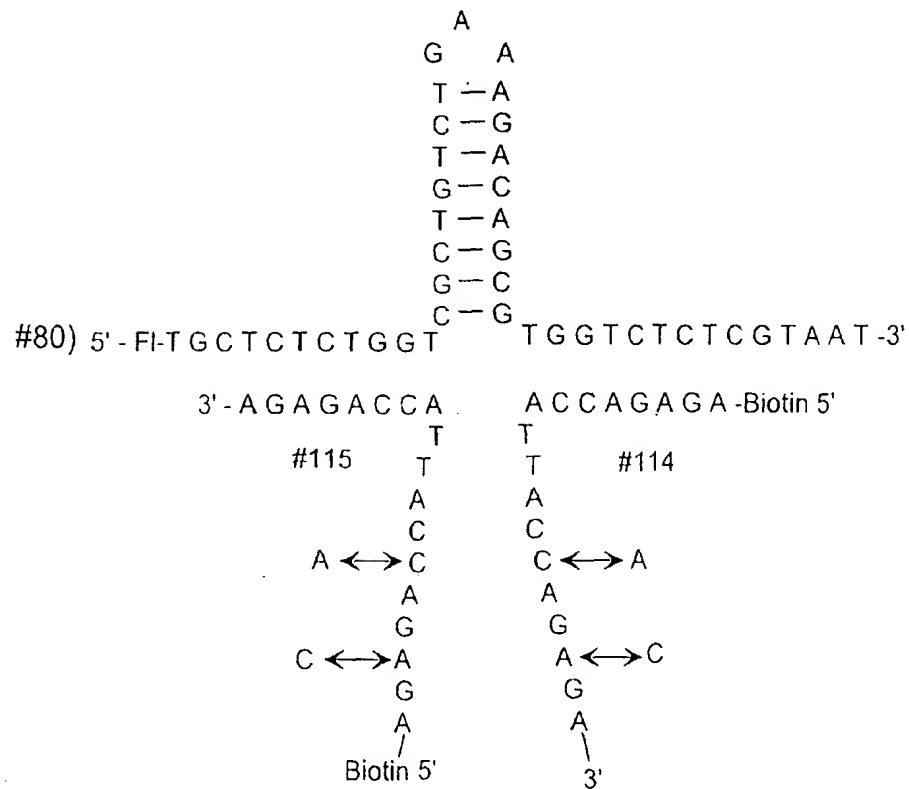
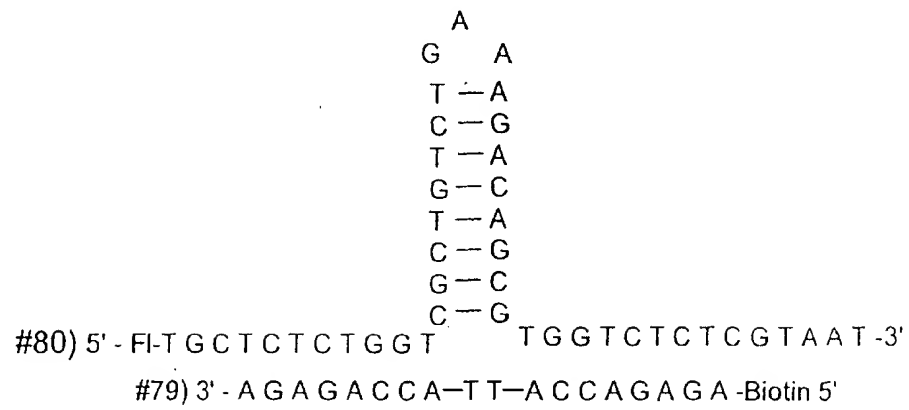
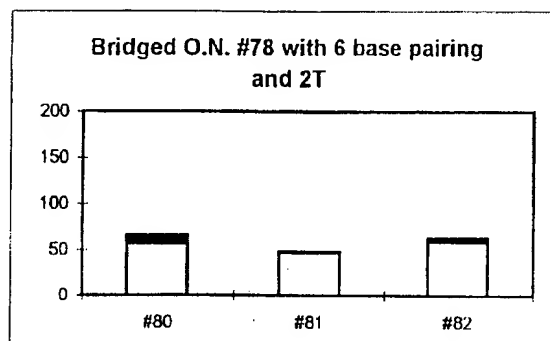


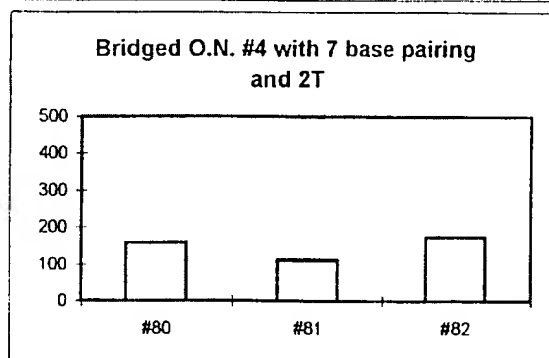


FIGURE 12

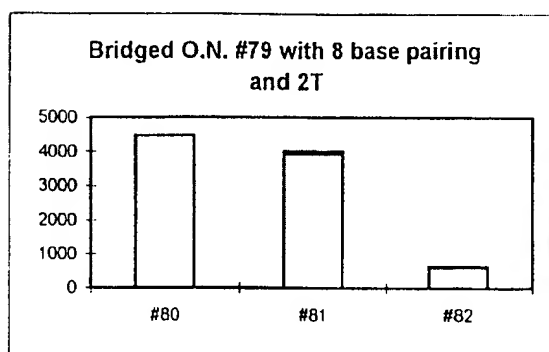
A.



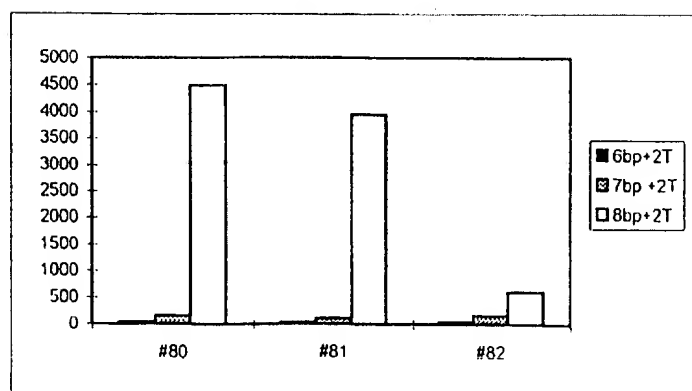
B.



C.



D.





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FIGURE 13A

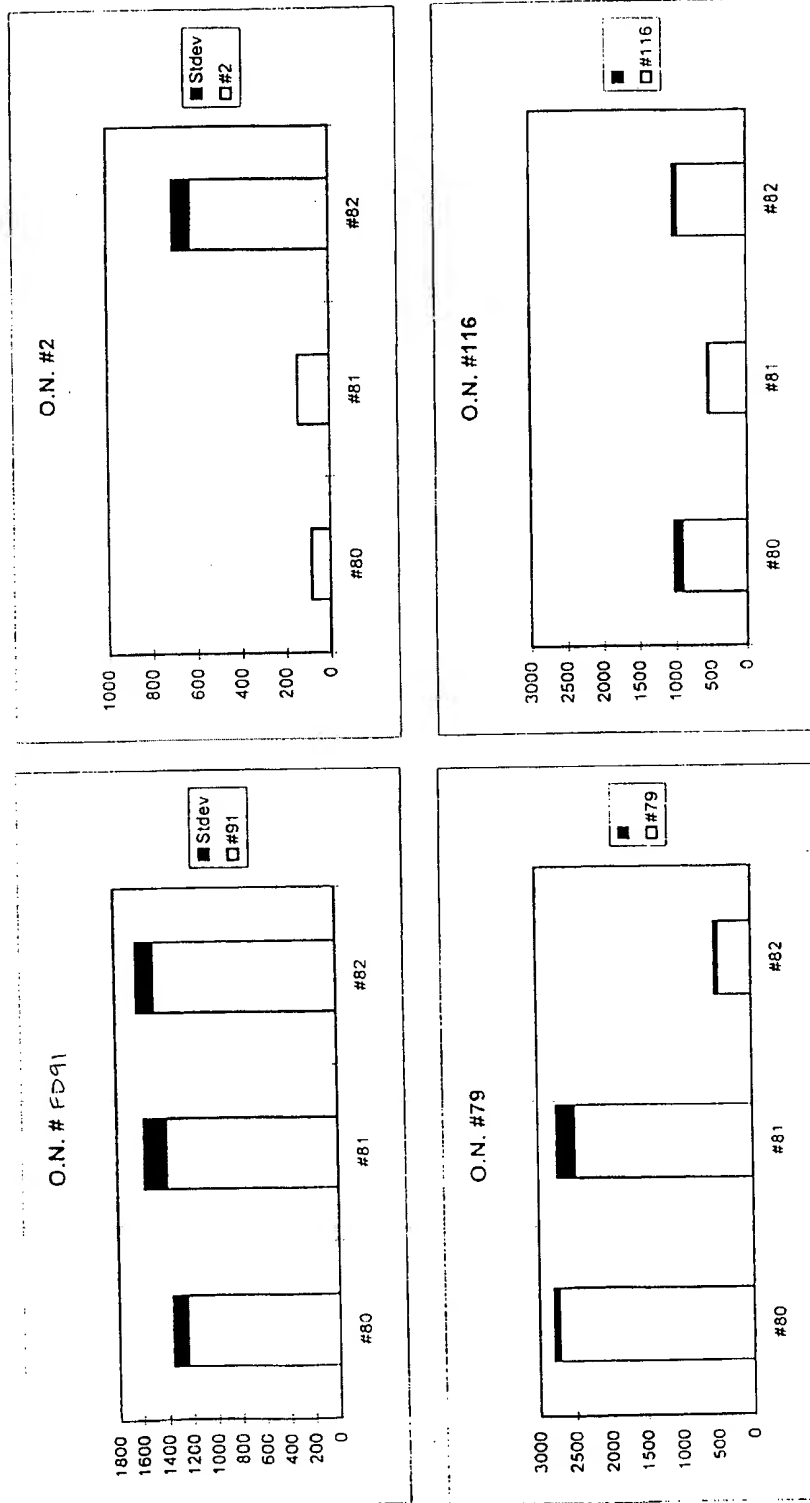
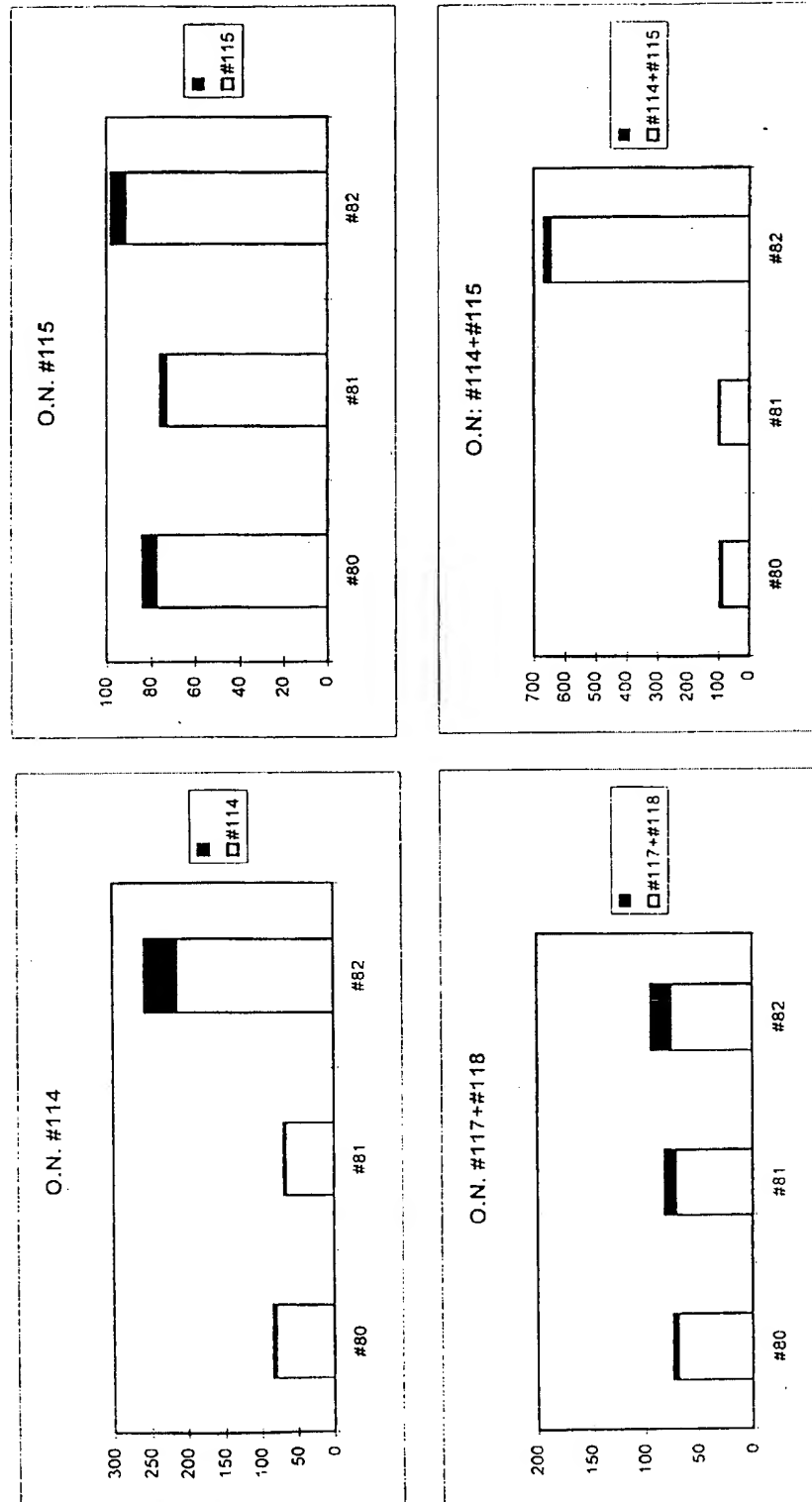




FIGURE 13B





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FIGURE 14

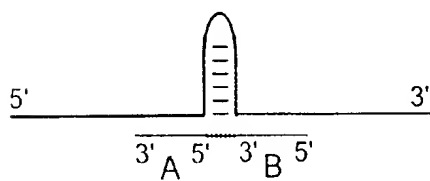
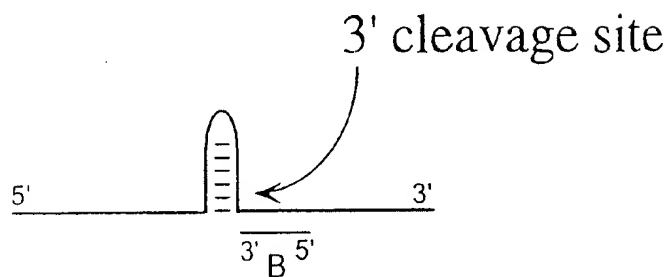
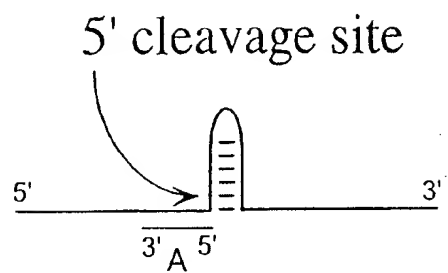




FIGURE 15

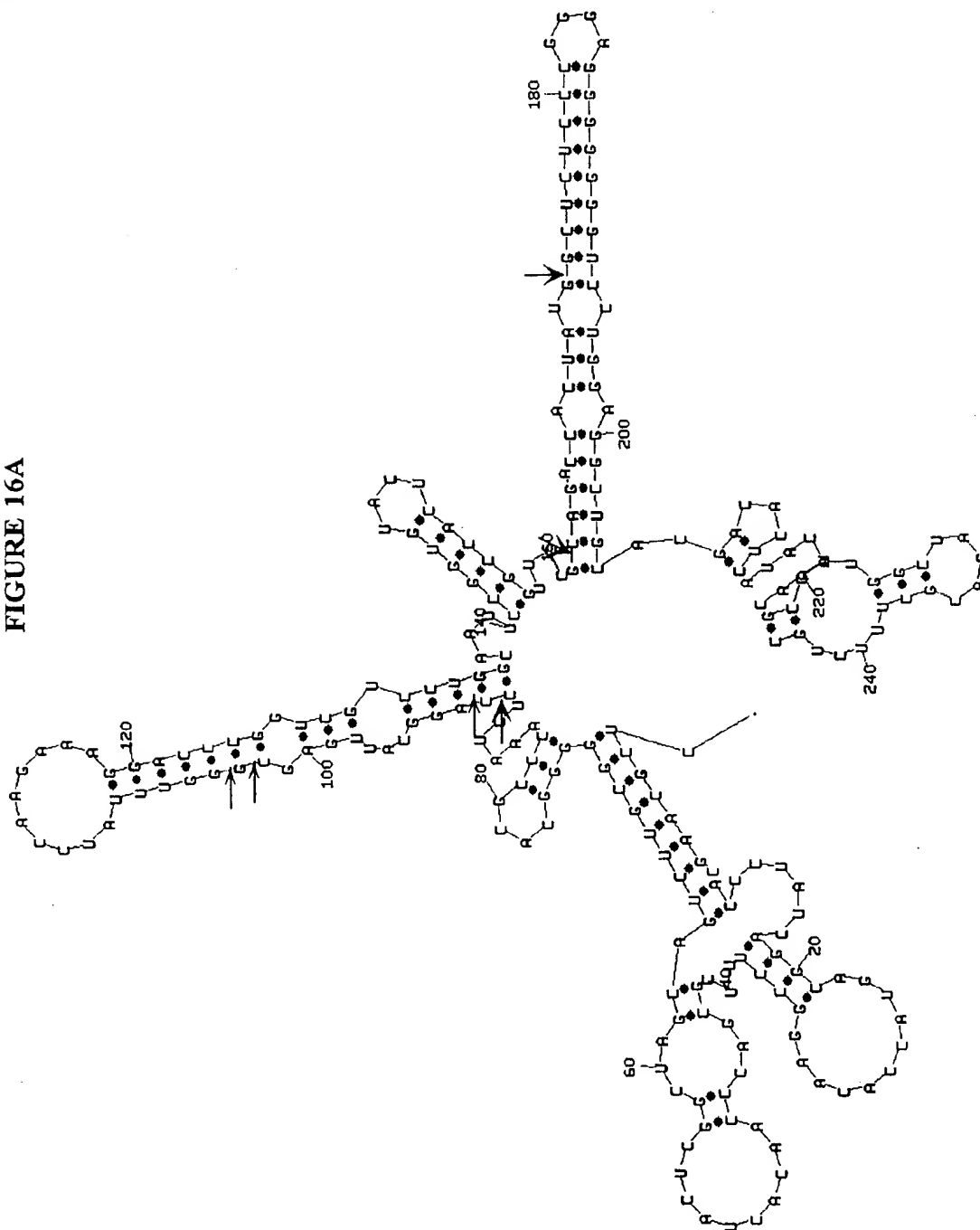
```
1-----10-----20-----30-----40-----50-----60-----70-----80-----
1a  CTGCAAGCACCCCTATCAGGCAAGTACCAACAAGGCTTTCCGGCGACCCCAACACTACTCGGCTAGCAGTCTTGGGGGGGCACG
1b  .....I.I.....I.I.....I.I.....I.I.....C.....
2a/c .....I.I.....A.I.....G.....
3a  .....I.I.....TGA..C.....

-----90-----100-----110-----120-----130-----140-----150-----160-----
1a  CCCAAATCTCAGGCATTGAGCGGGTTTATCCAAAGAAAGGACCCGGTCTCGTCTGGCAATTCGGGTGTACTCACCGGTTCC
1b  .....I.I.....I.I.....G.....I.I.....I.I.....
2a/c .....I.GG!.G.....A..T.....A..T..C.....
3a  .....T..TGG!.T.....I.....GT.....AC..CA..I.G.....

-----170-----180-----190-----200-----210-----220-----230-----240-----
1a  GCAGACCACTATGGCTCTCTCCCGGAGGGGGGTCTCTGGAGGCTGCACGACACTCATACTAACGCCCATGGCTAGACGCTTCTGTC
1b  !.....I.I.....I.I.....I.I.....I.I.....
2a/c .....I.I.....I.....G.....T.....T.....
3a  !.....I.I.....I.....G.....G.....G.....
```



FIGURE 16A



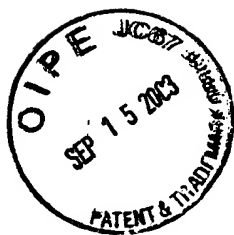
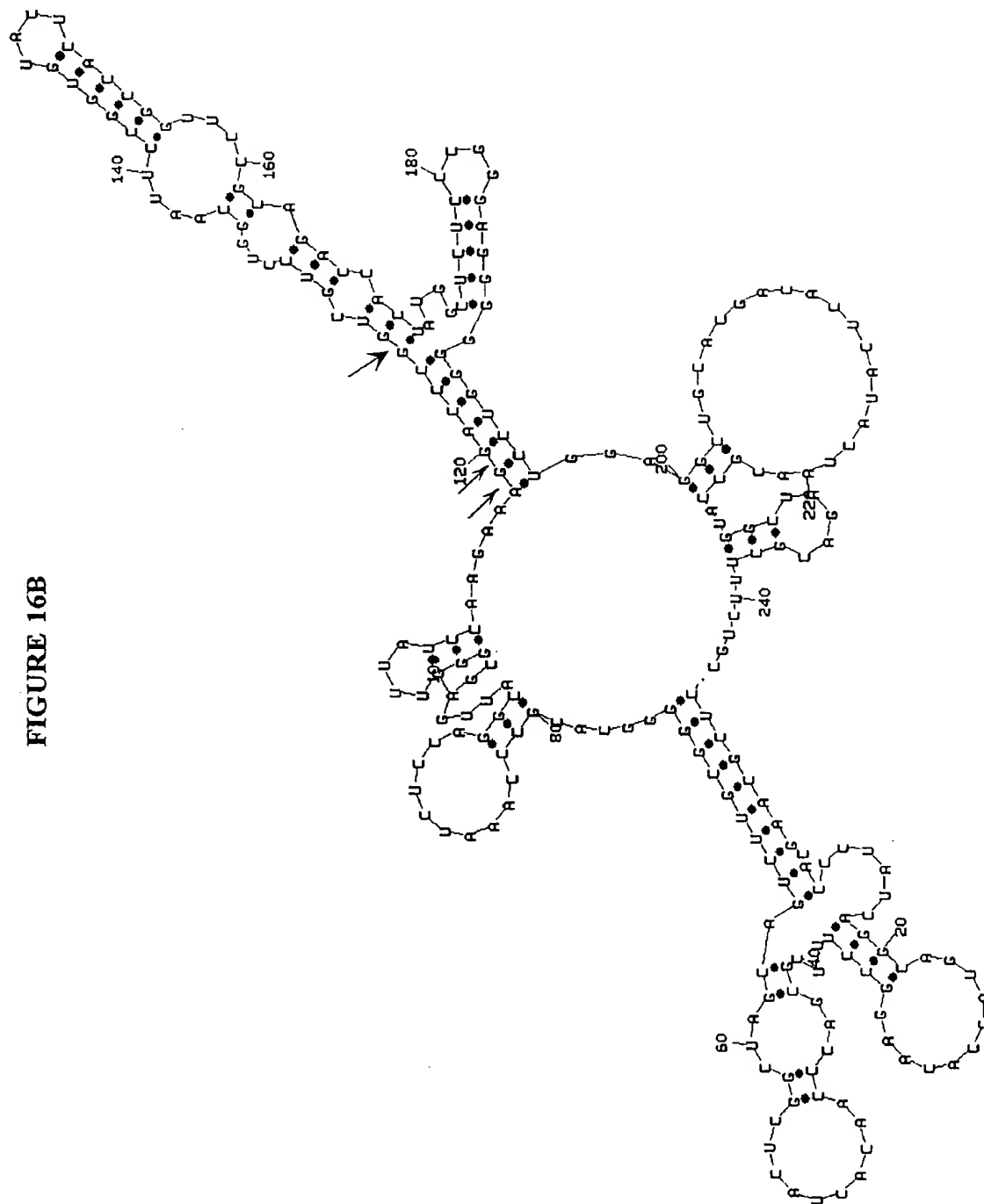
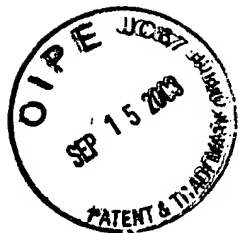


FIGURE 16B





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FIGURE 17A

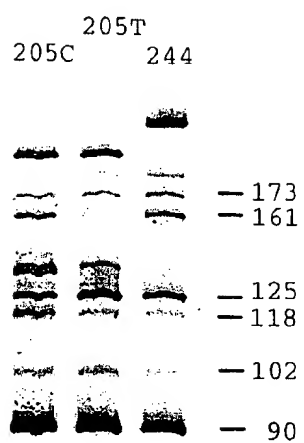
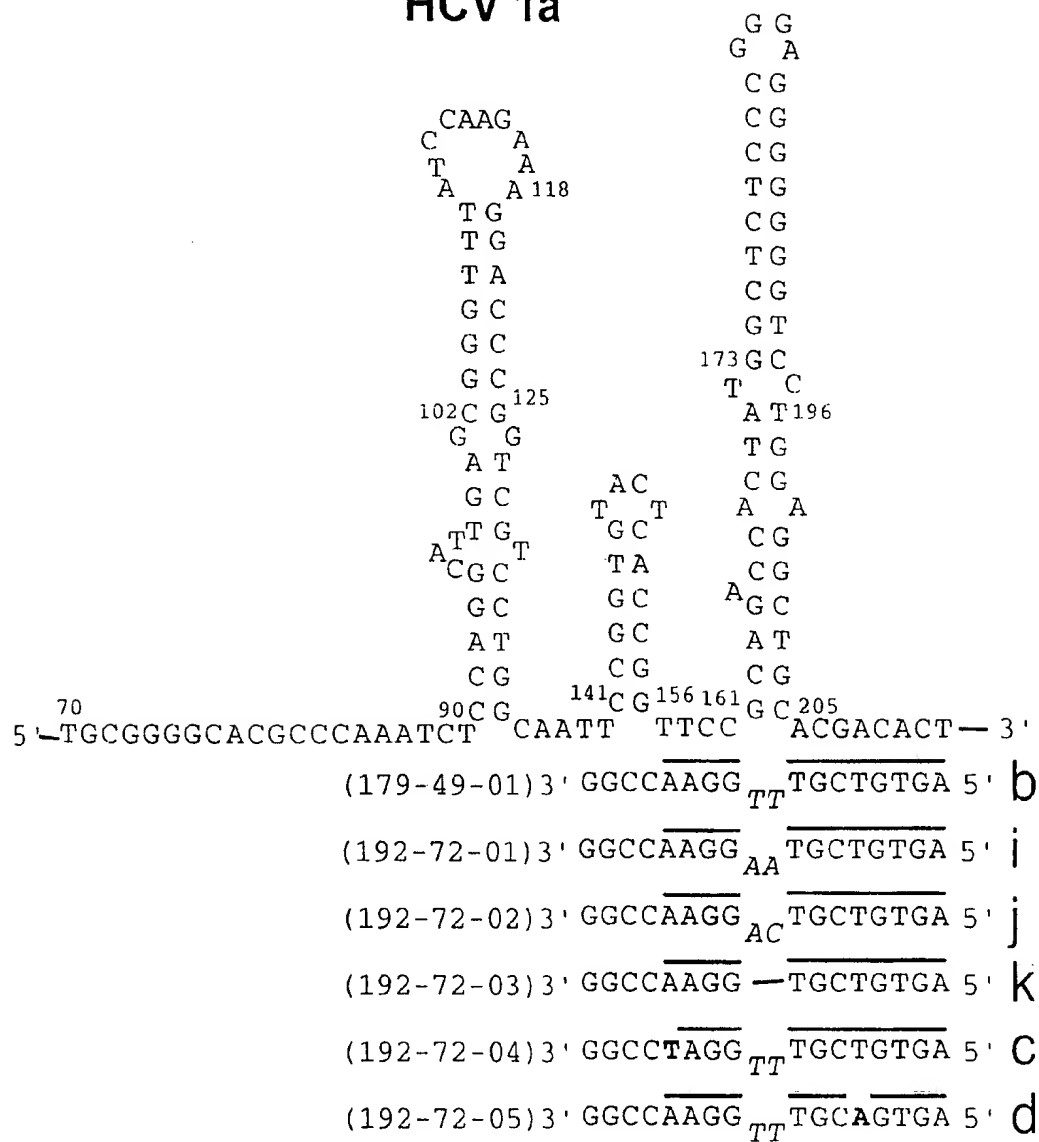




FIGURE 18A

HCV 1a







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FIGURE 18C

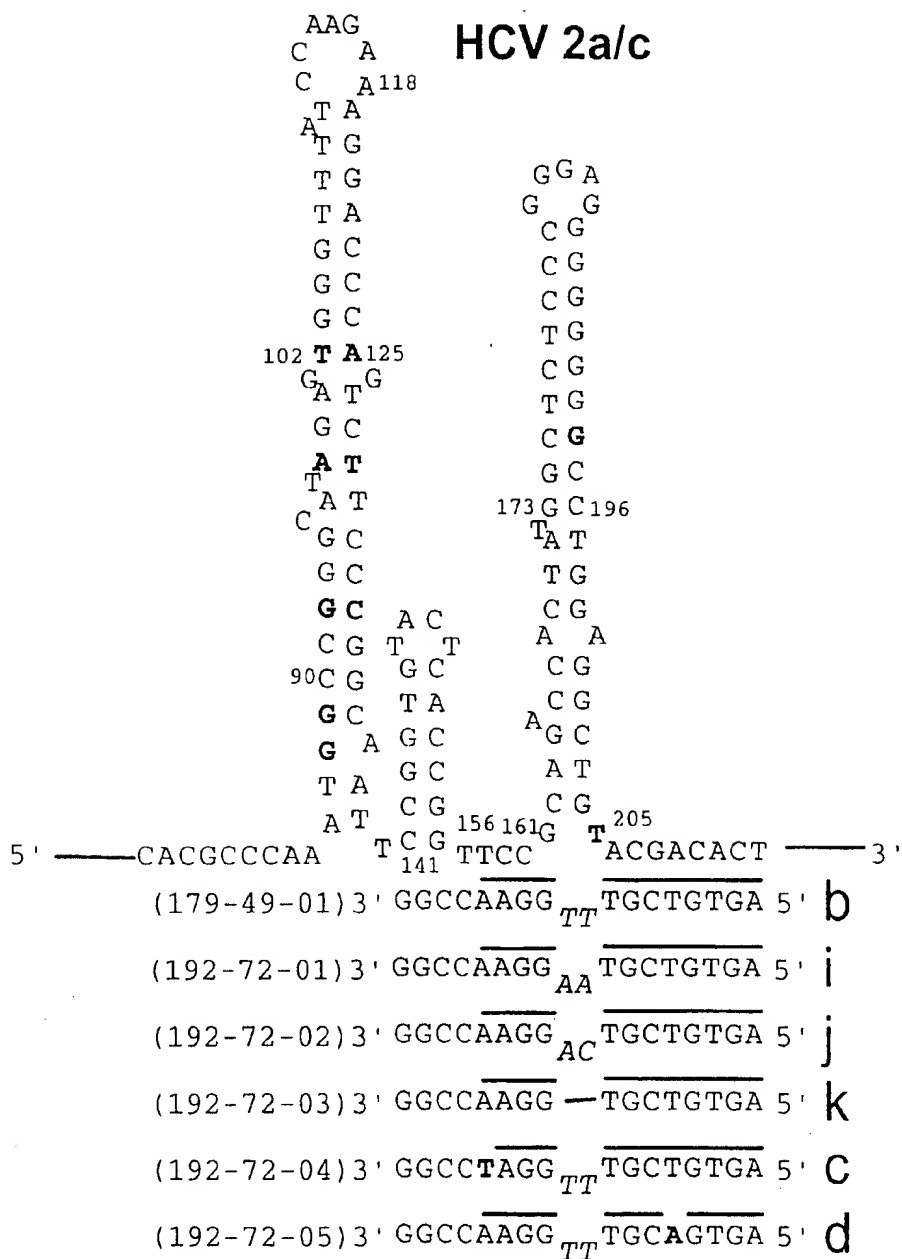




FIGURE 18D

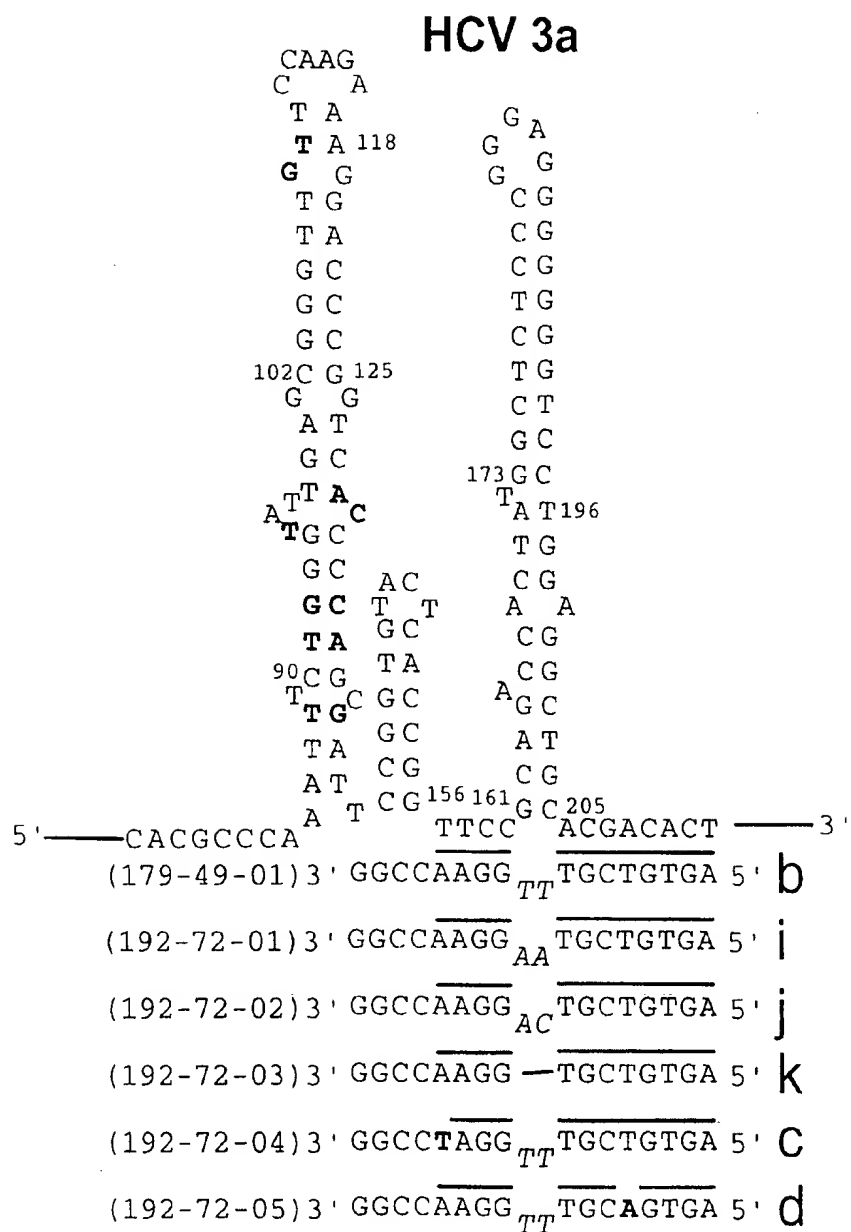




FIGURE 19

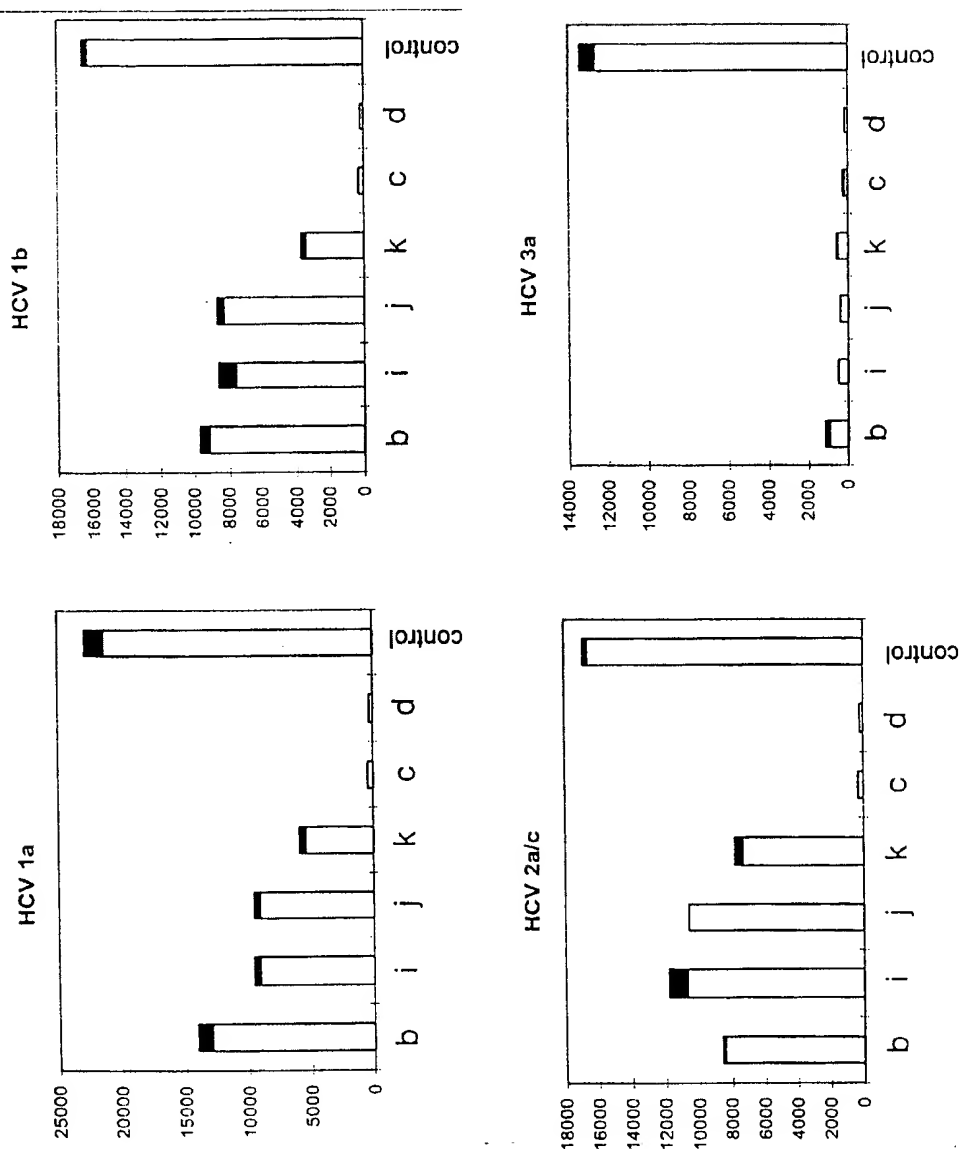
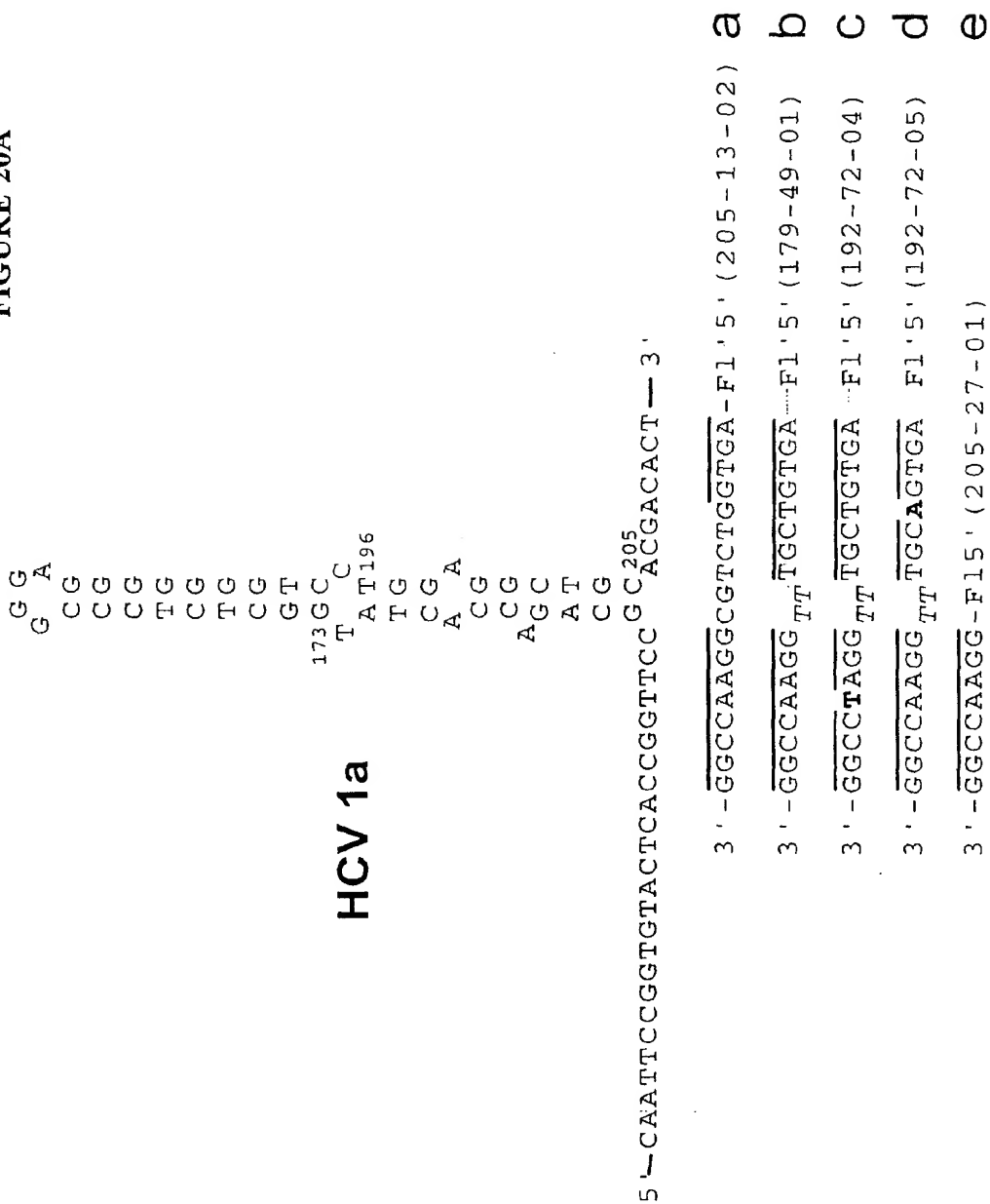




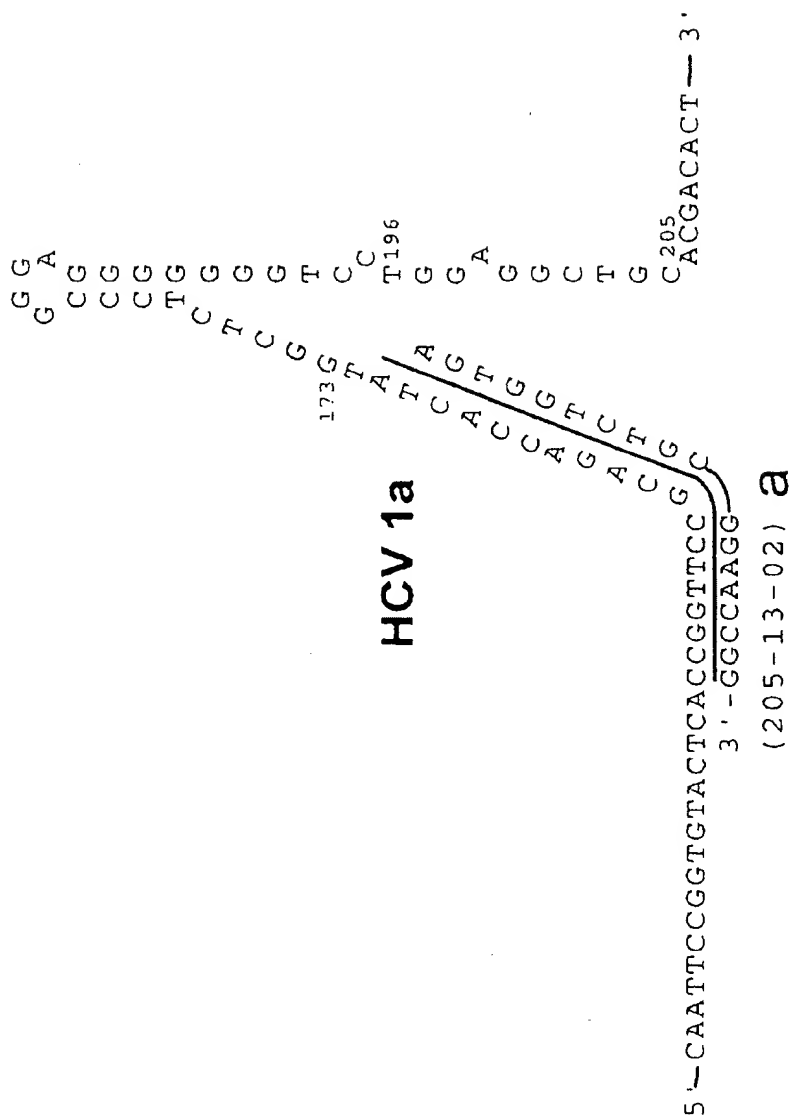
FIGURE 20A





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FIGURE 20B



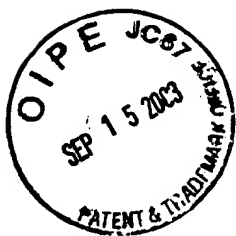
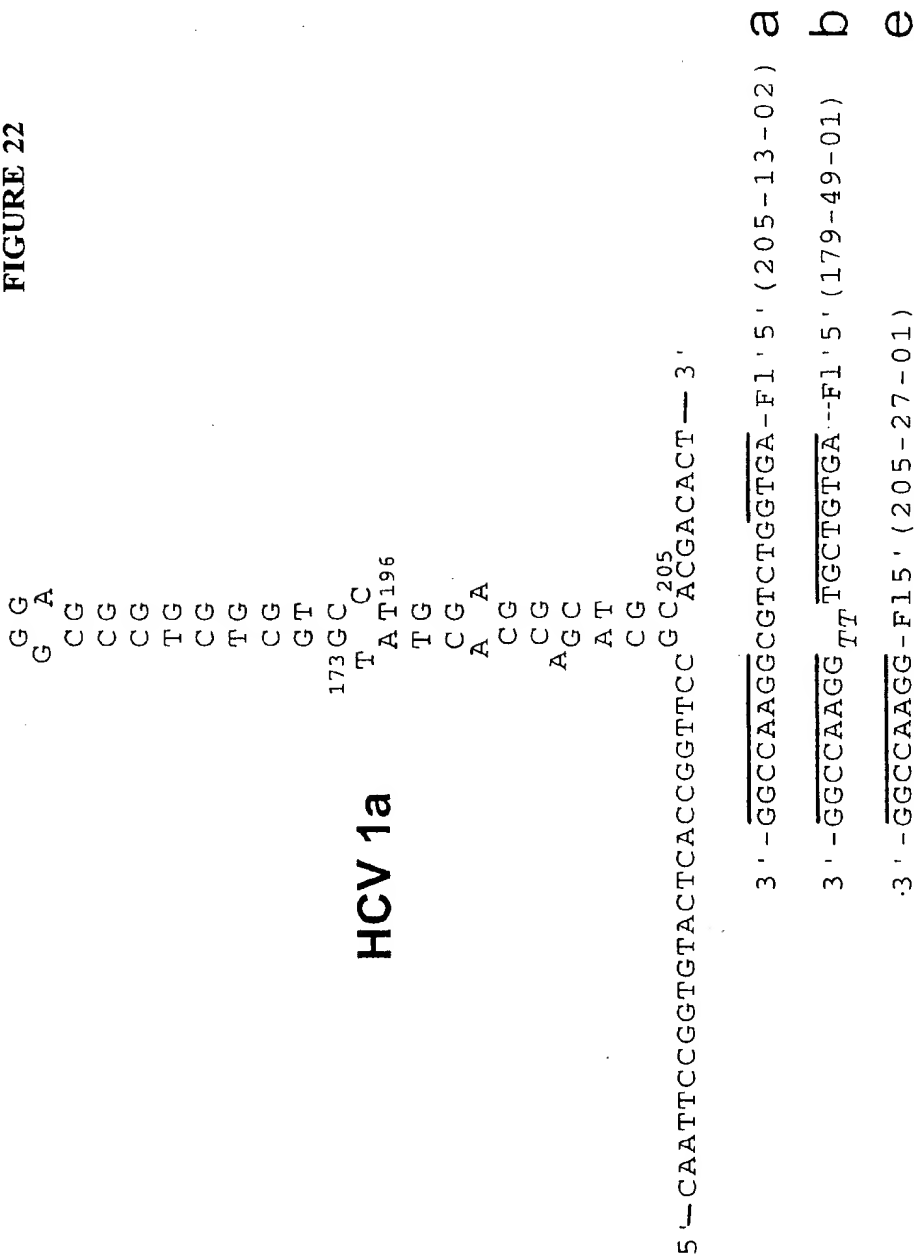


FIGURE 22



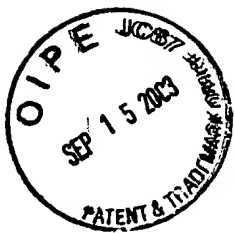


FIGURE 23

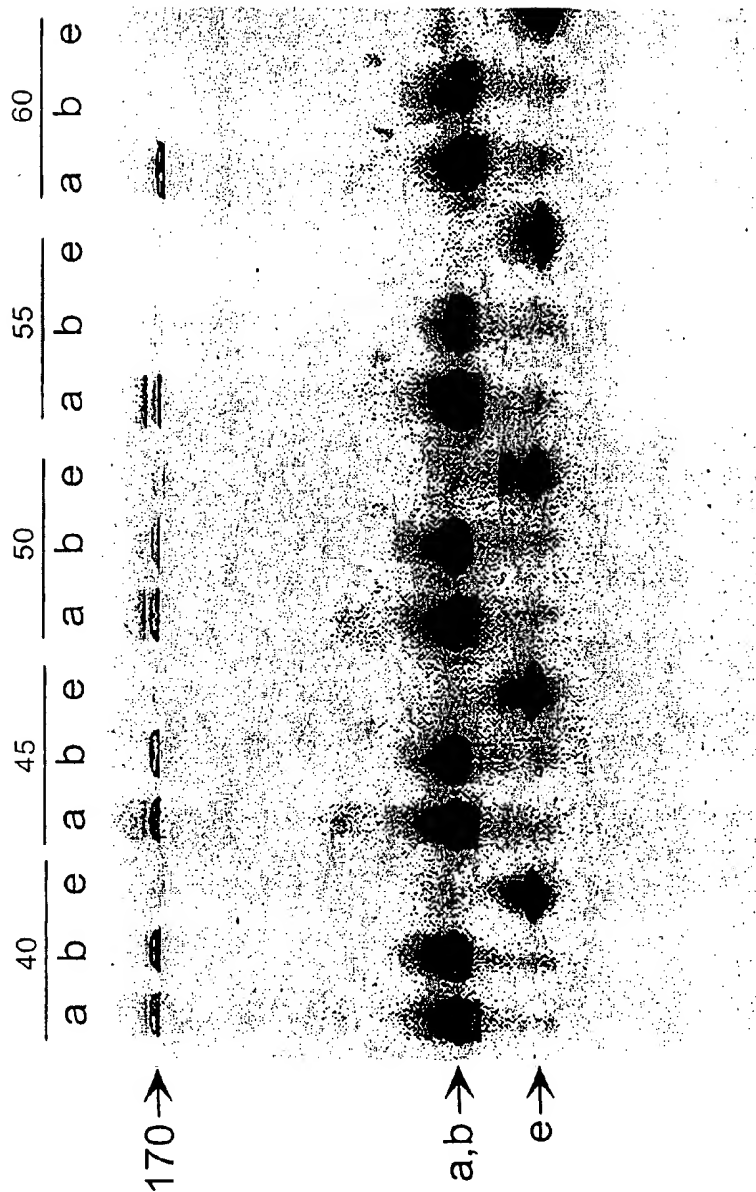
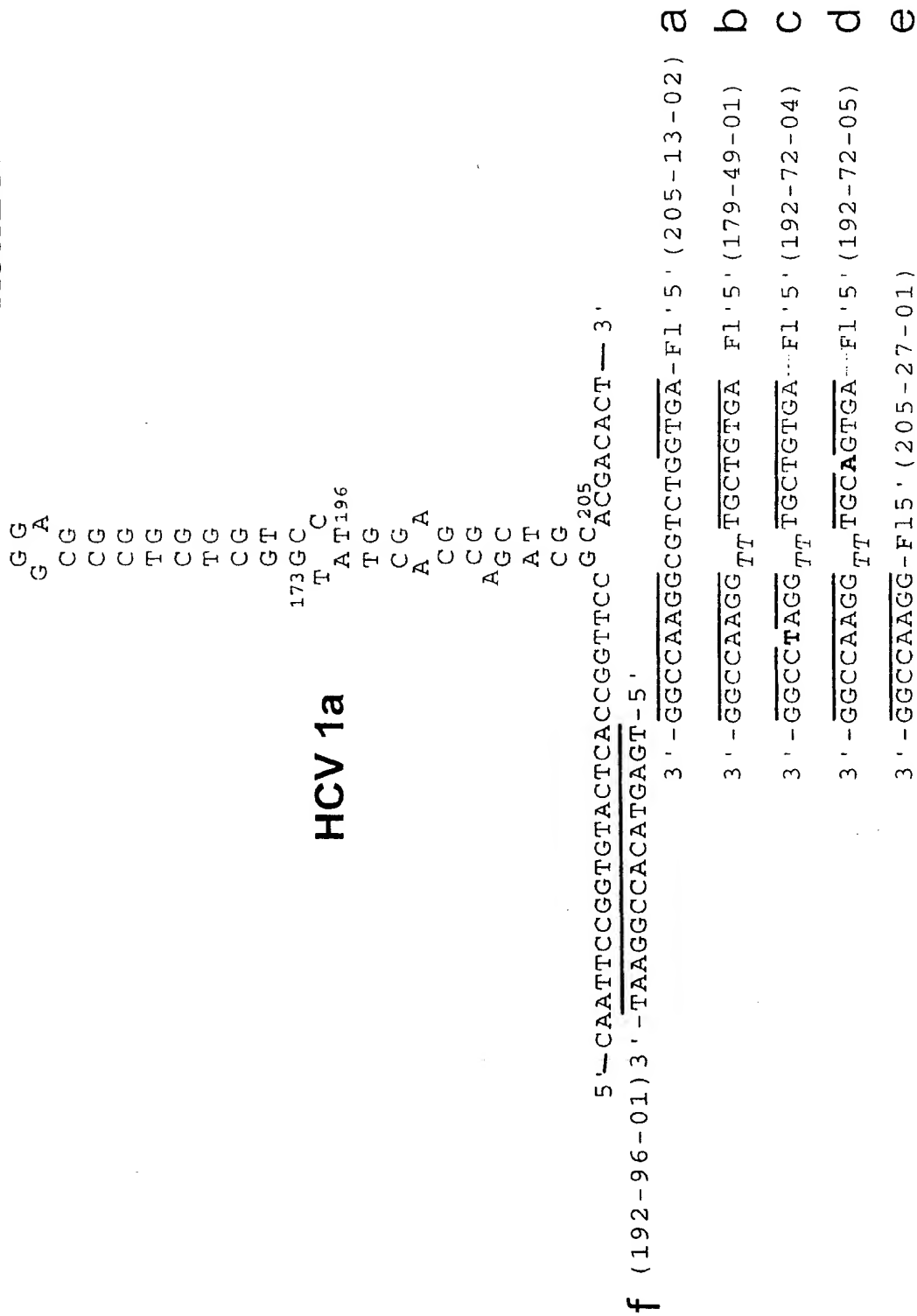


FIGURE 24



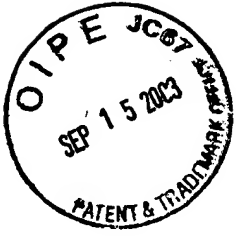


FIGURE 25

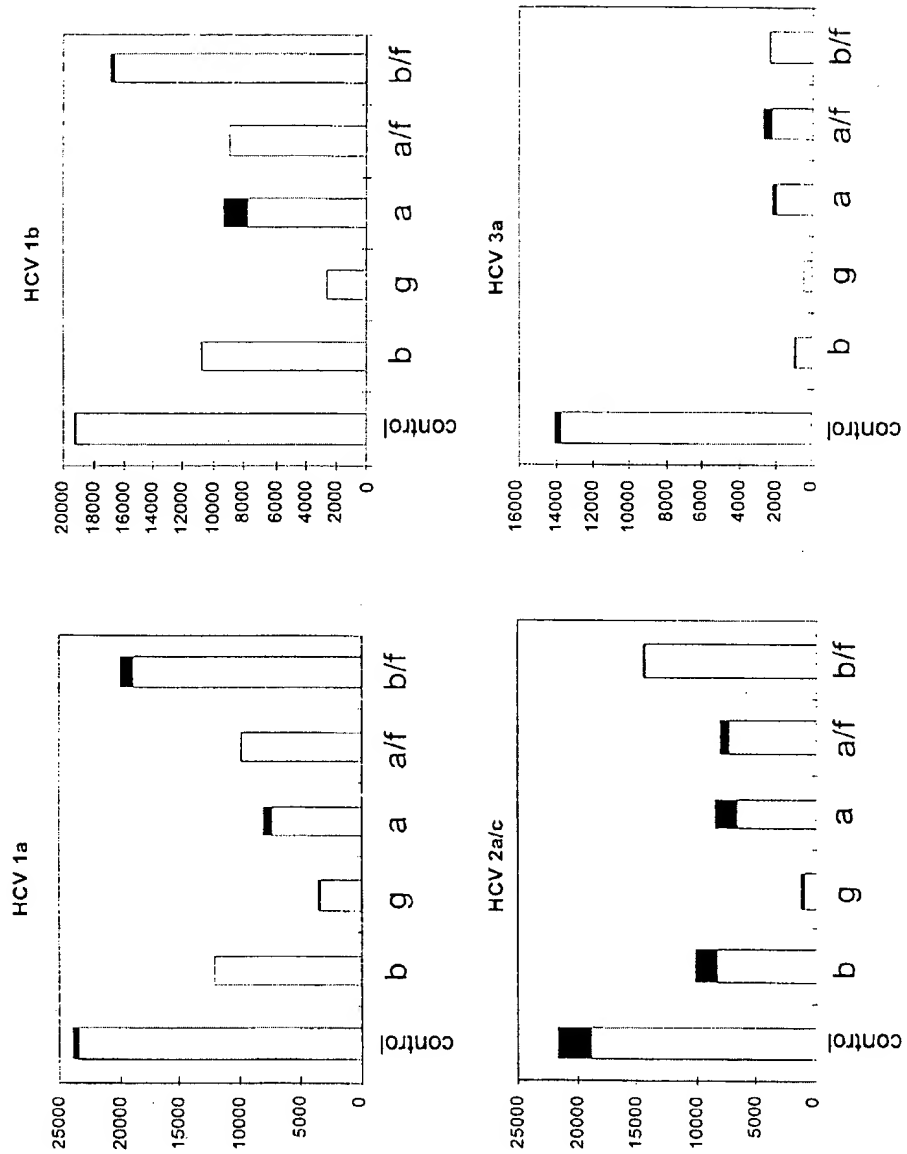




FIGURE 26

5' -ATTCCGGTGTACTCACC GGTTCCAAACGACACT-3' (205-13-01) S.T.
f (192-96-01) 3' -TAAGGCCACATGAGT-5'
3' -GGCCAAAGGCGTCTGGTGA-F1'5' (205-13-02) a
3' -GGCCAAAGG_{TT}TGCTGTGA-F1'5' (179-49-01) b
3' -GGCCTAGG_{TT}TGCTGTGA-F1'5' (192-72-04) c
3' -GGCCAAAGG_{TT}TGCAGTGA-F1'5' (192-72-05) d
3' -GGCCAAAGG-F15' (205-27-01) e

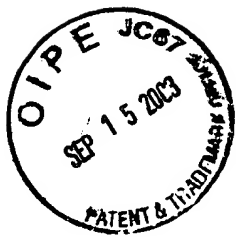


FIGURE 27





FIGURE 28

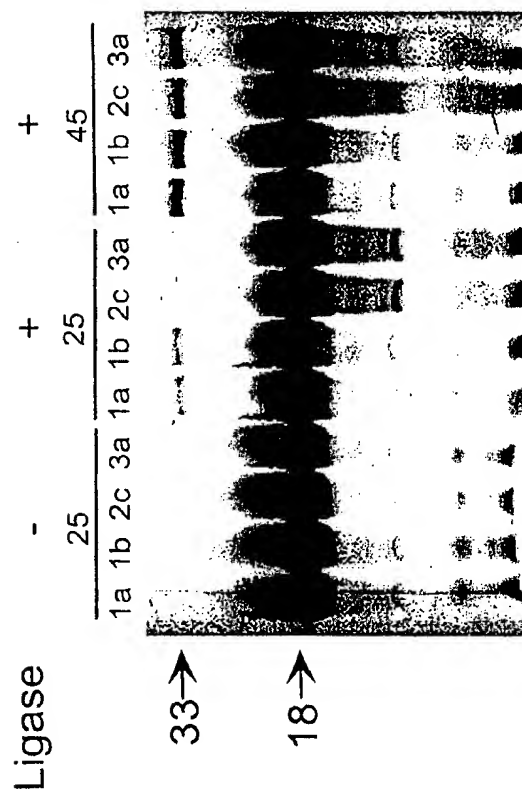




FIGURE 29A

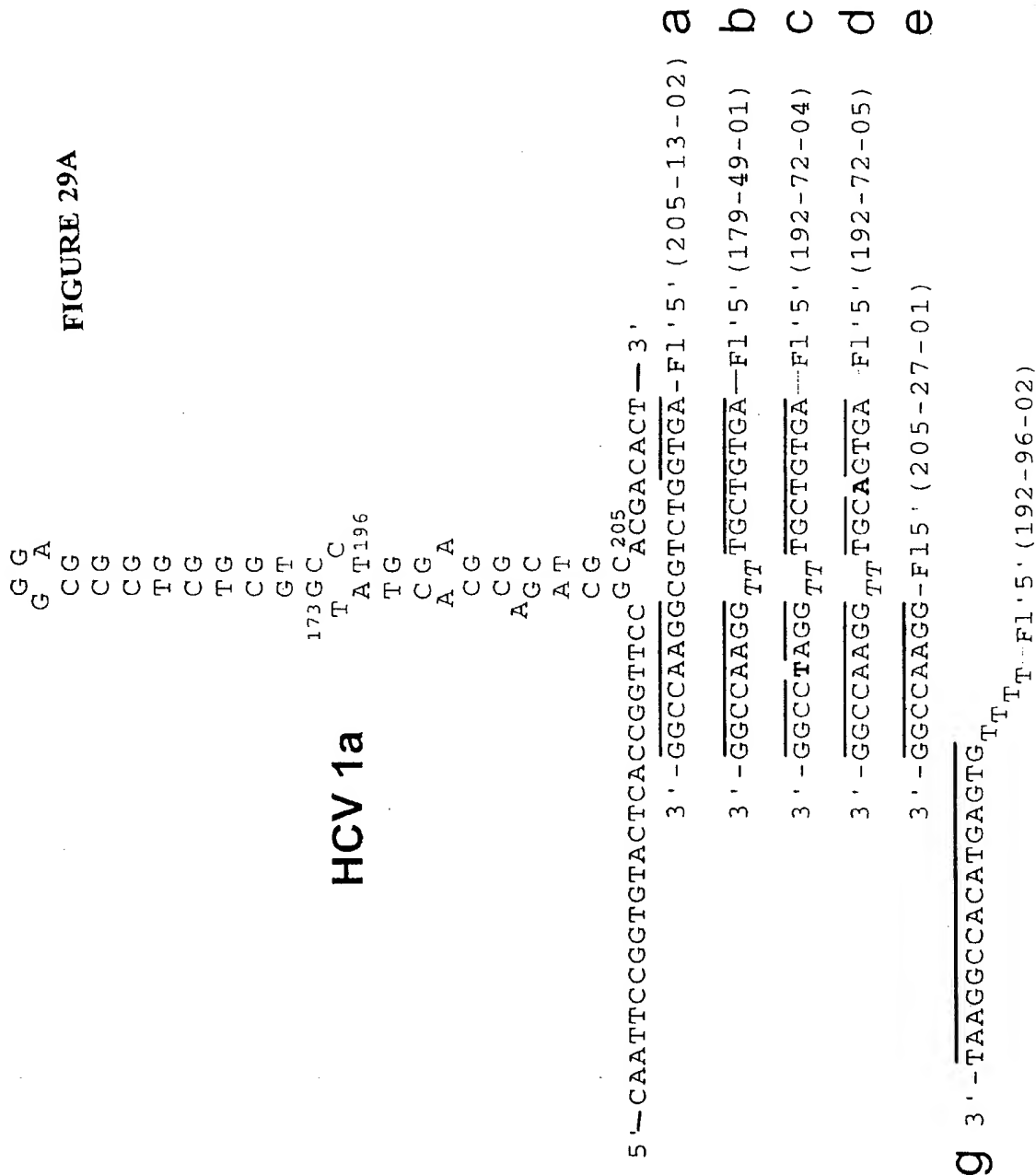




FIGURE 29B

5'-ATTCCGGTGTA CACCGGTTC AAACGACACT-3' (205-13-01) S.T.
3'-GGCCAAAGGCGTCTGGTGA-Fl'5' (205-13-02) a
3'-GGCCAAAGG_{TT}TGCTGTGA-Fl'5' (179-49-01) b
3'-GGCC~~TA~~AGG_{TT}TGCTGTGA-Fl'5' (192-72-04) c
3'-GGCCAAAGG_{TT}TGCA~~AG~~GTGA-Fl'5' (192-72-05) d
3'-GGCCAAAGG-Fl'5' (205-27-01) e
g 3'-TAAGGCCACATGAGTG_{TT}
T-Fl'5' (192-96-02)



FIGURE 30

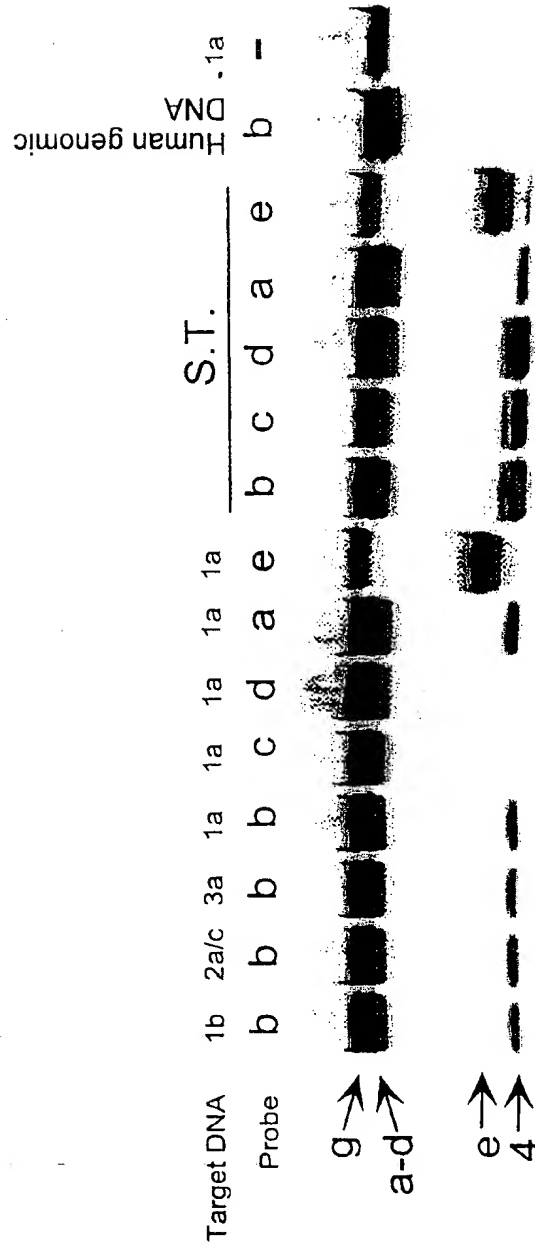
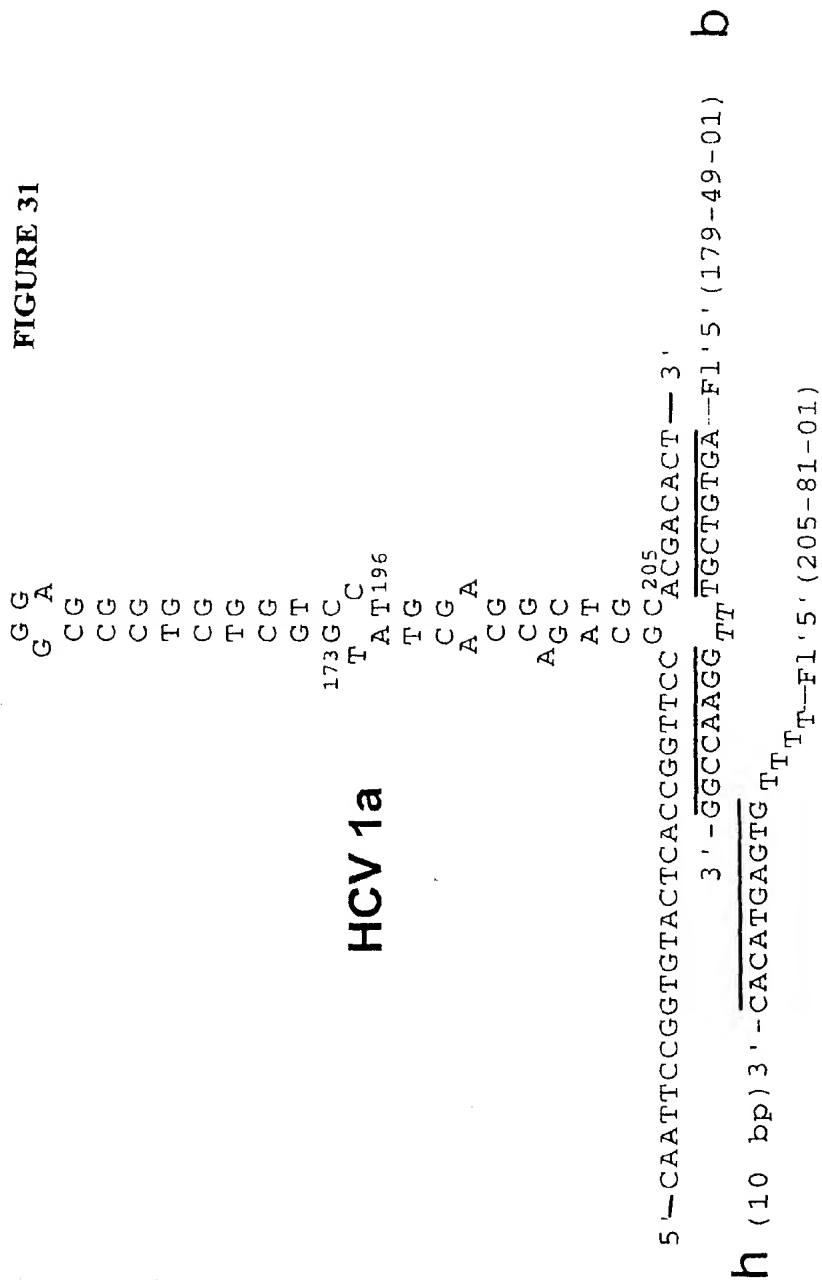
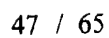




FIGURE 31





Probe	Temp.	Target	30	45	35	30	Arrows	Size (bp)
1a	30	1a	1a	1a	1a	1a	↓ b	1003
1b	30	1b	1b	1b	1b	1b	↓ h	1915
2a/c	30	2a/c	2a/c	2a/c	2a/c	2a/c	↓ 4	1918
3a	30	3a	3a	3a	3a	3a		2085
1a	45	1a	1a	1a	1a	1a		1608
1b	45	1b	1b	1b	1b	1b		2421
2a/c	45	2a/c	2a/c	2a/c	2a/c	2a/c		2583
3a	45	3a	3a	3a	3a	3a		2960
1a	35	1a	1a	1a	1a	1a		872
1b	35	1b	1b	1b	1b	1b		1298
2a/c	35	2a/c	2a/c	2a/c	2a/c	2a/c		1324
3a	35	3a	3a	3a	3a	3a		1605
1a	30	1a	1a	1a	1a	1a		(1068)

FIGURE 34

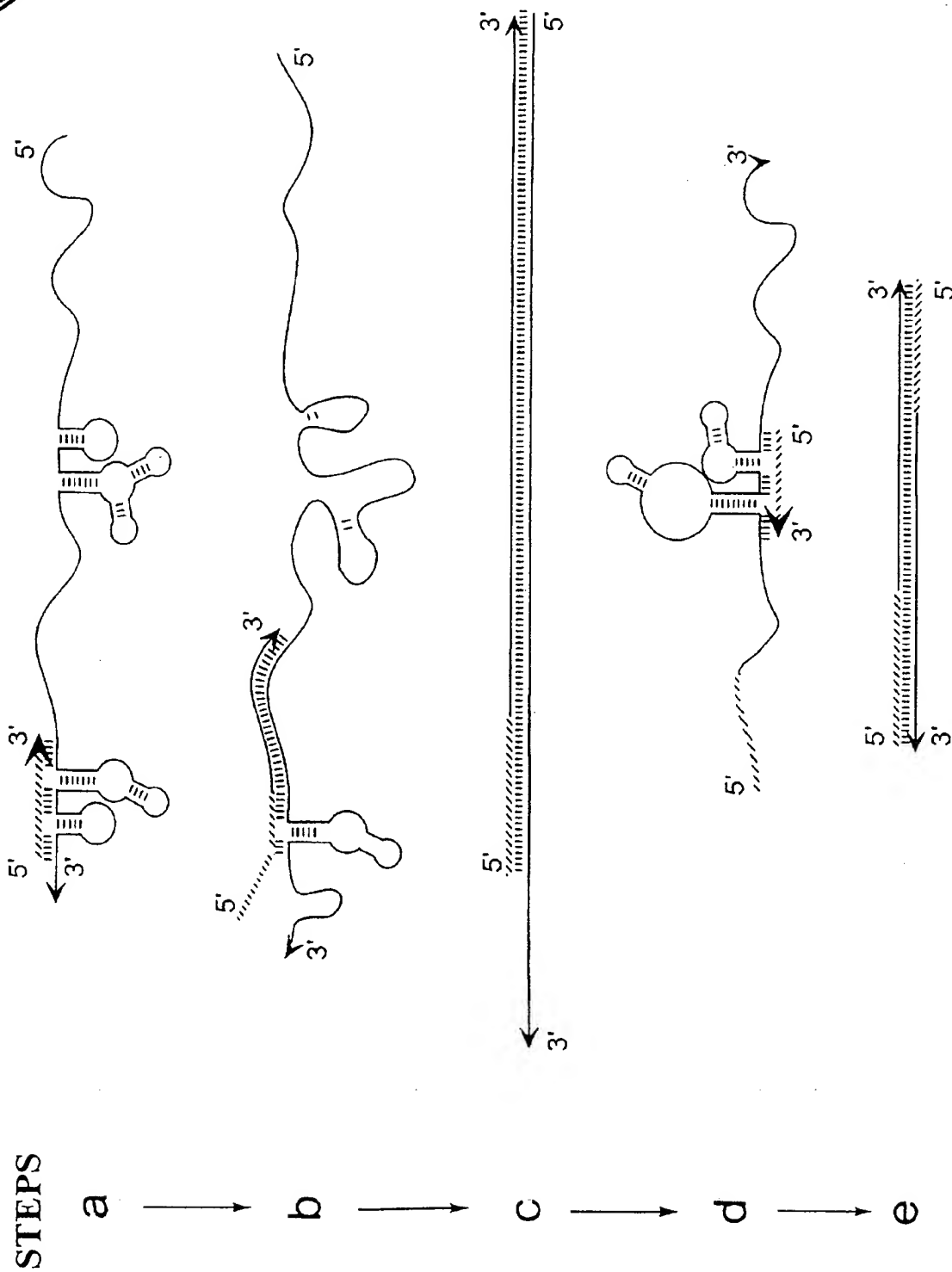
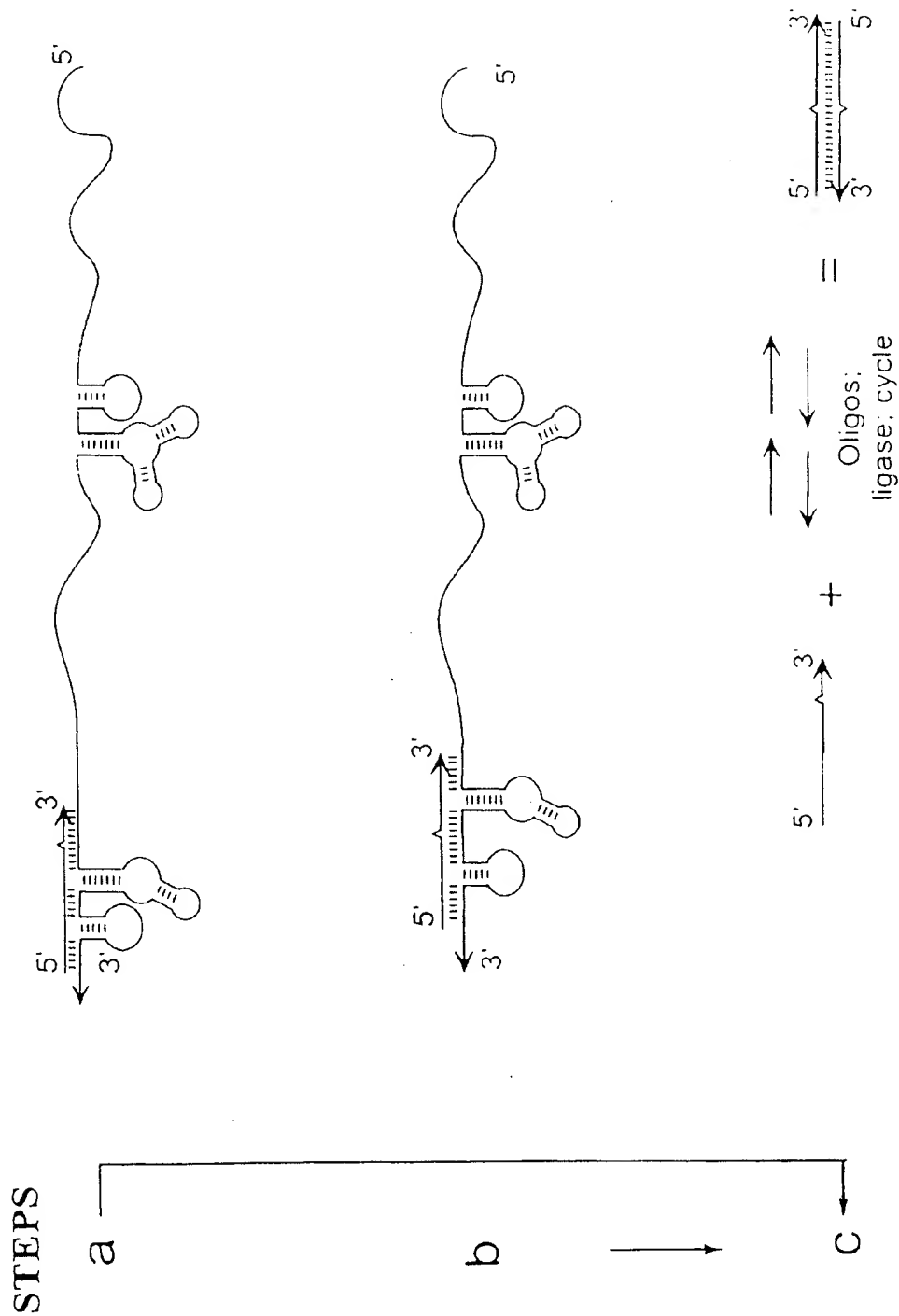


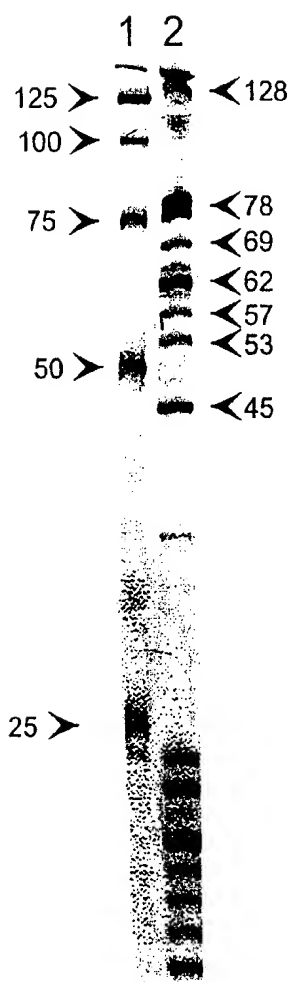
FIGURE 35





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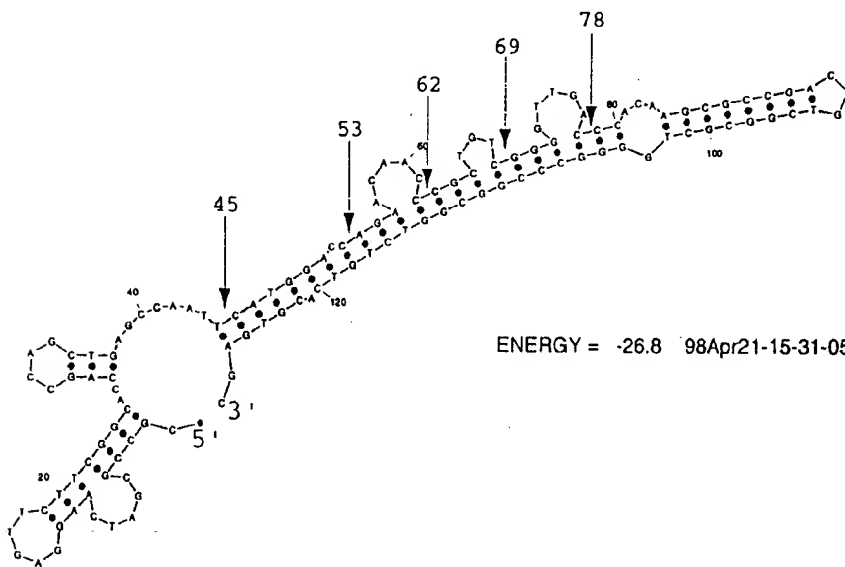
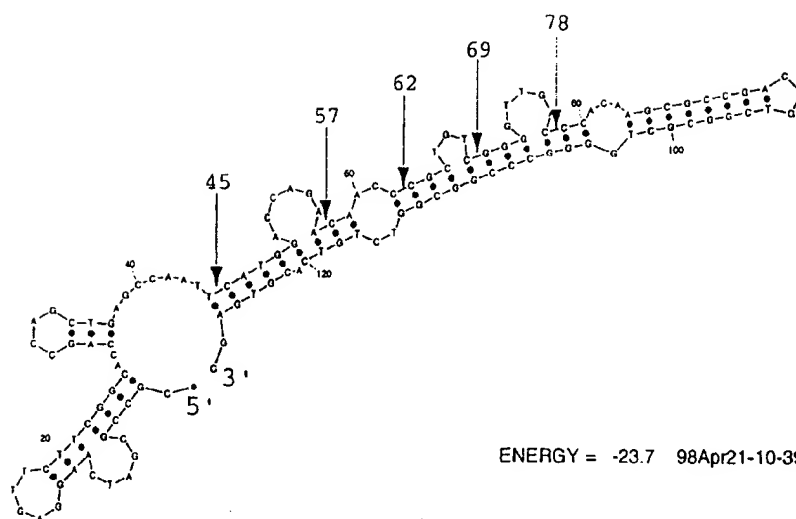
FIGURE 36





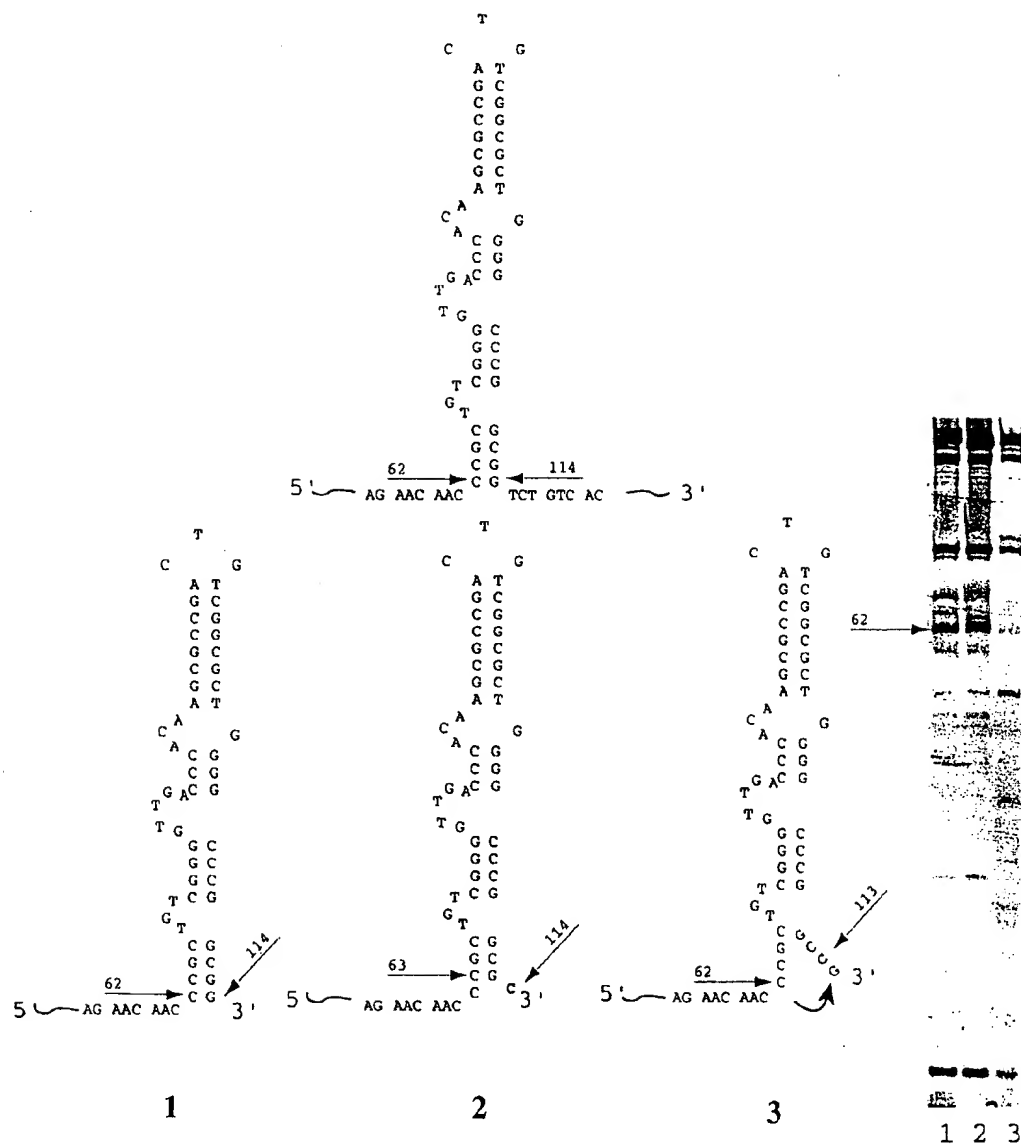
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FIGURE 37A





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FIGURE 37B





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FIGURE 37C

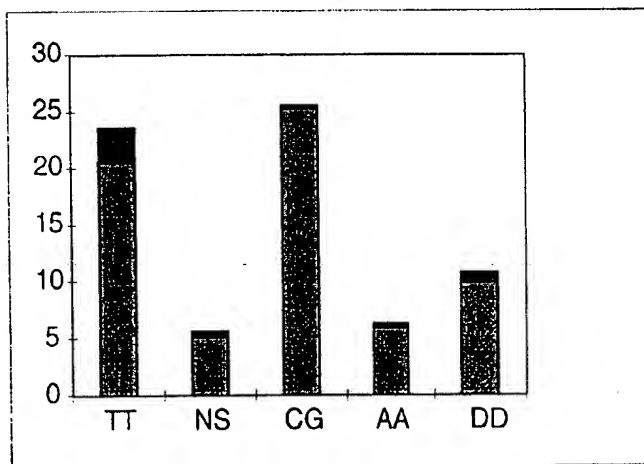
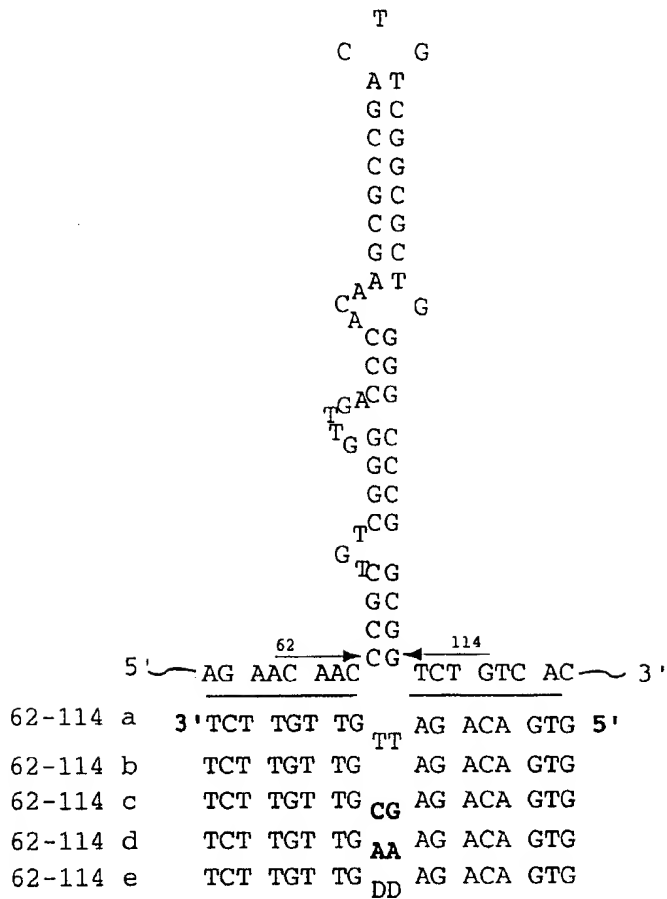
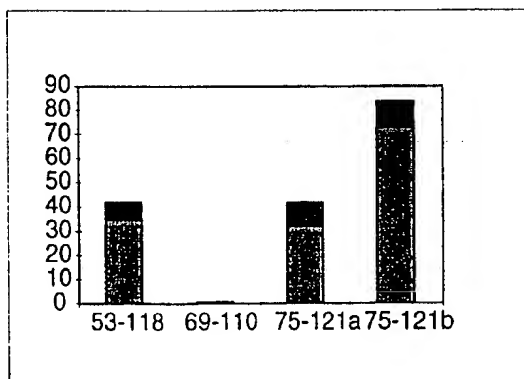
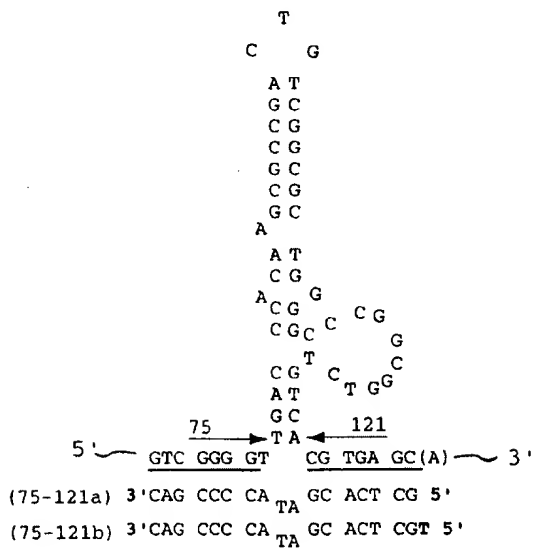
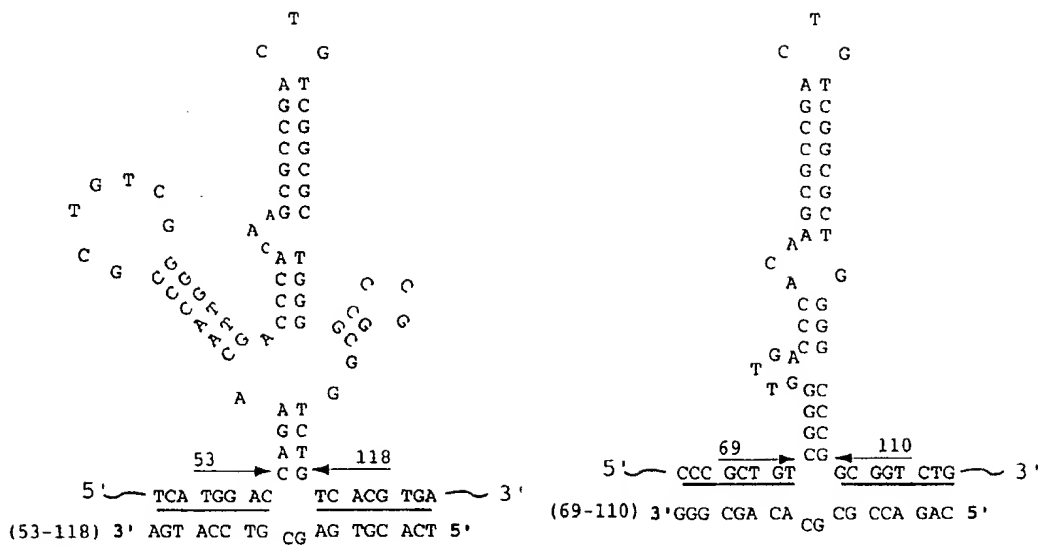




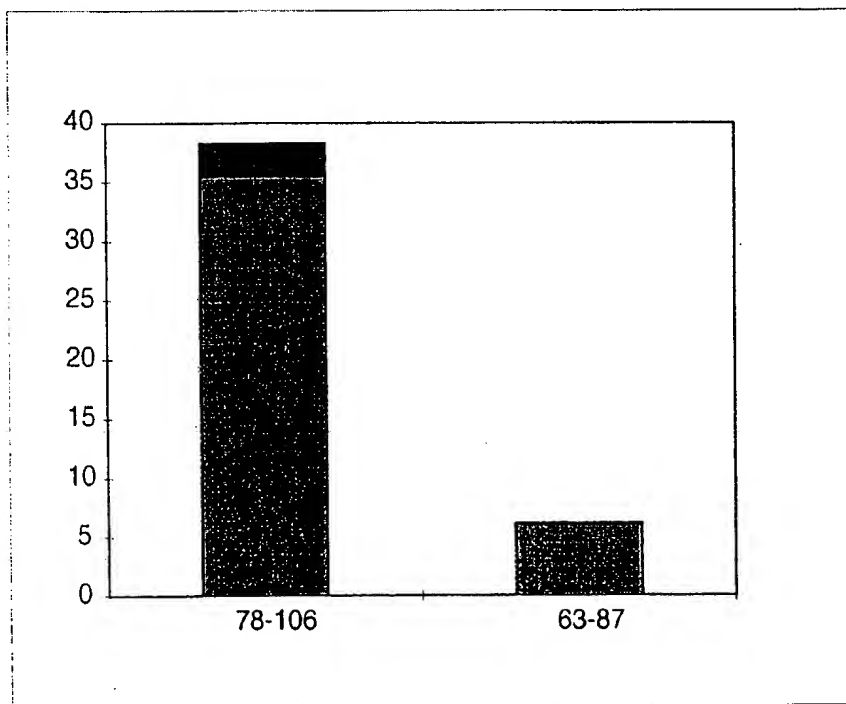
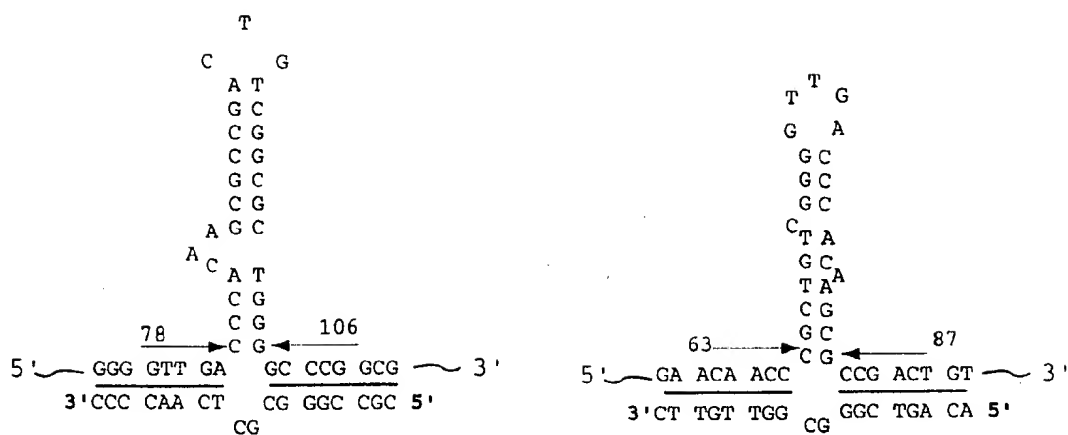
FIGURE 38A

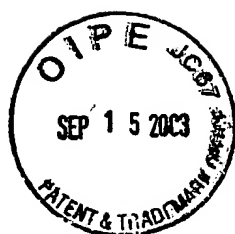




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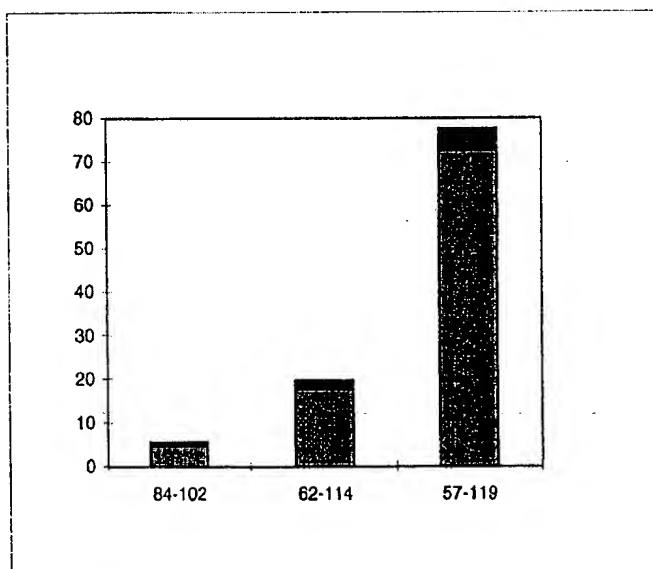
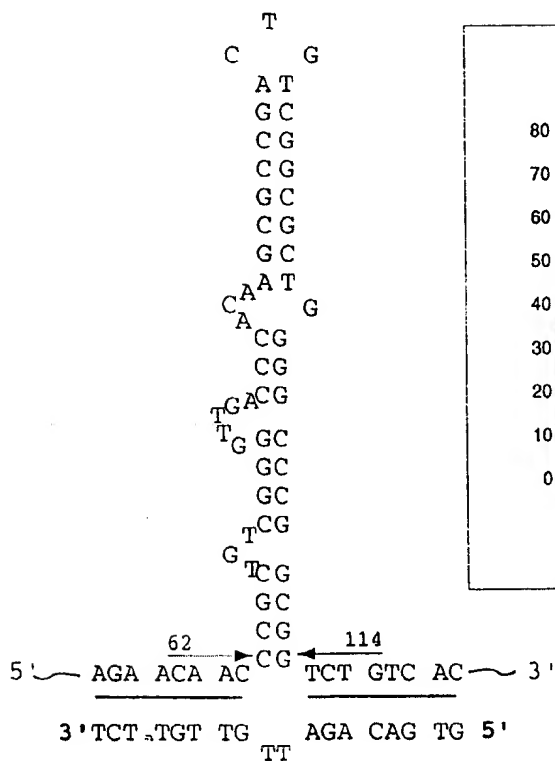
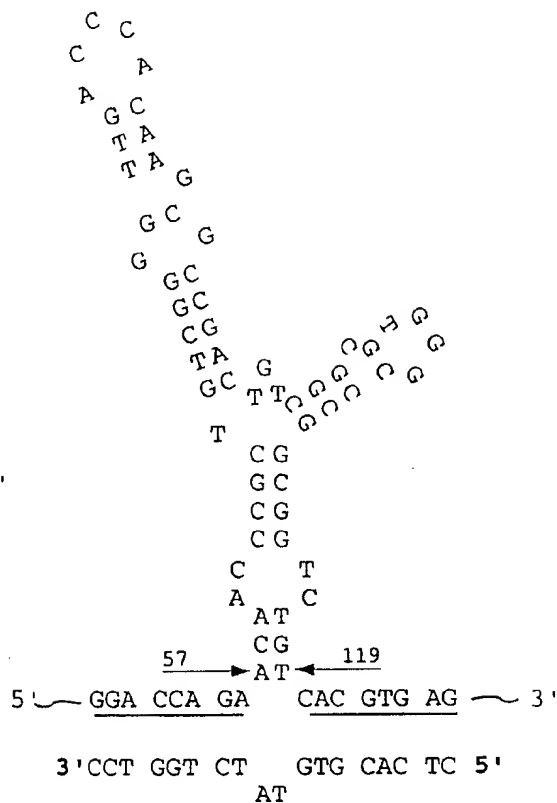
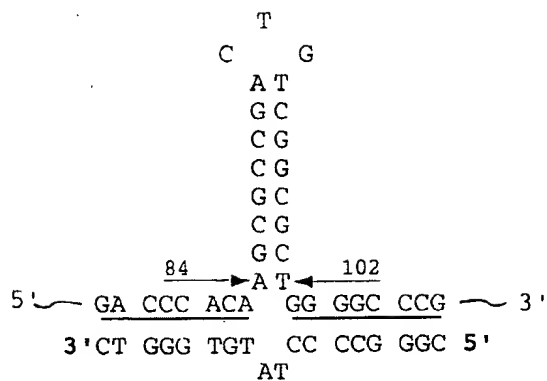
FIGURE 38B





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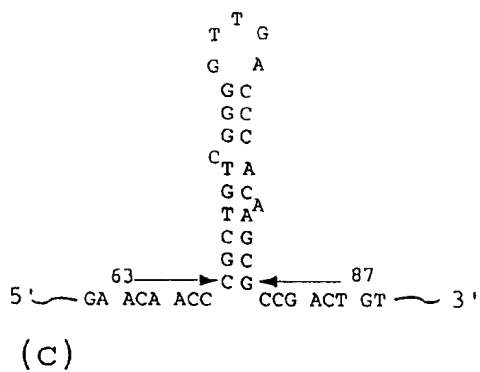
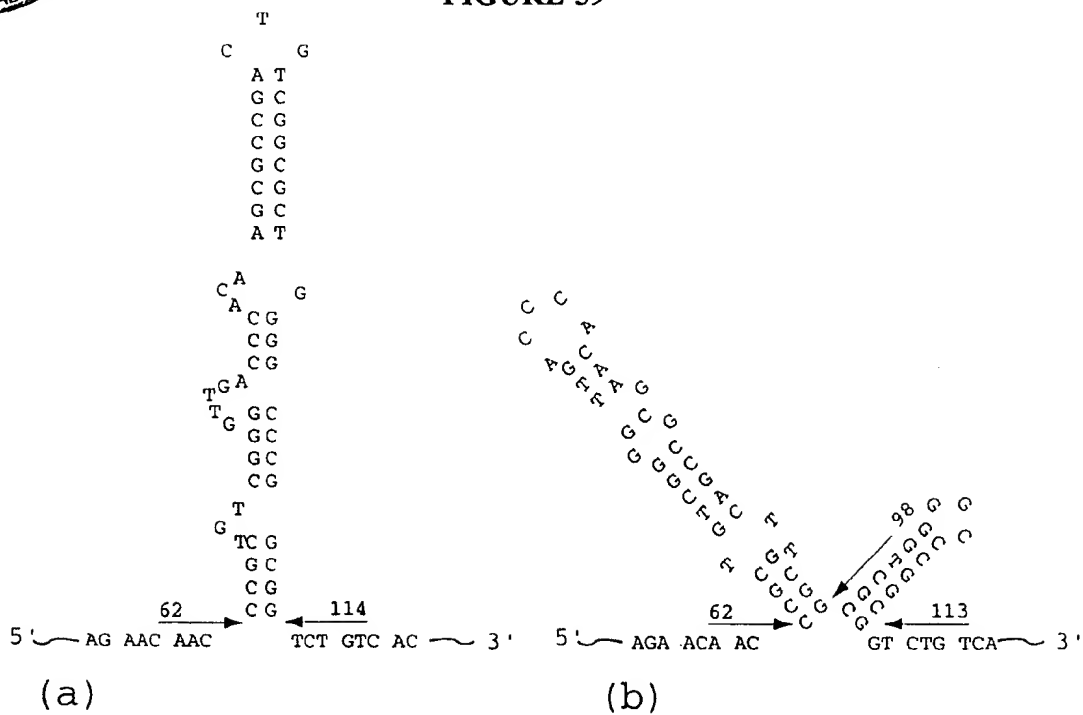
FIGURE 38C





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FIGURE 39

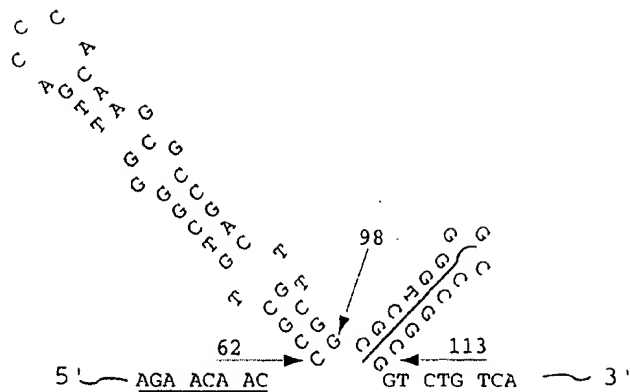




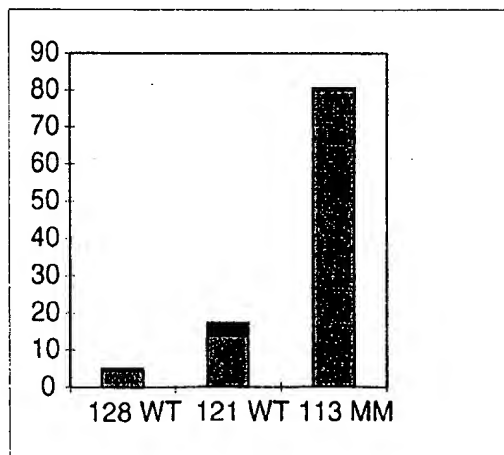
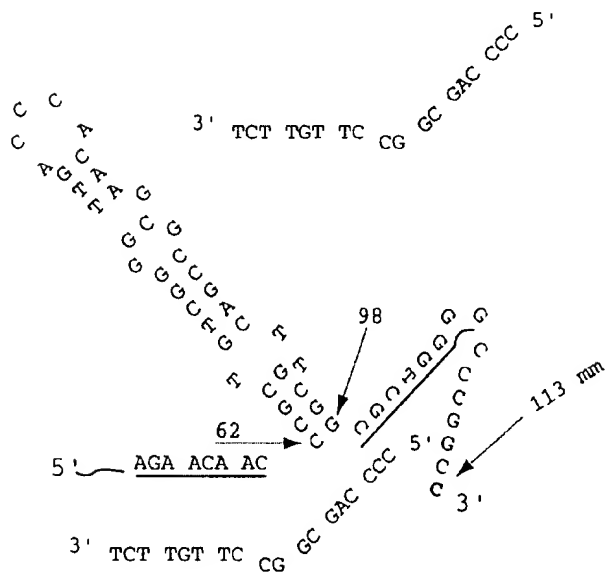
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FIGURE 41

121 wt



113 mm





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FIGURE 42

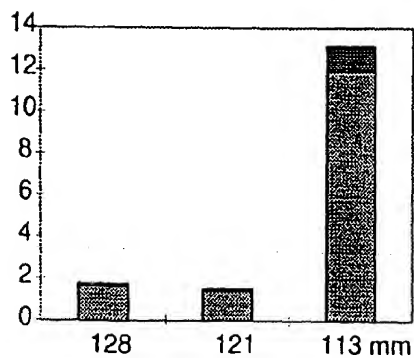
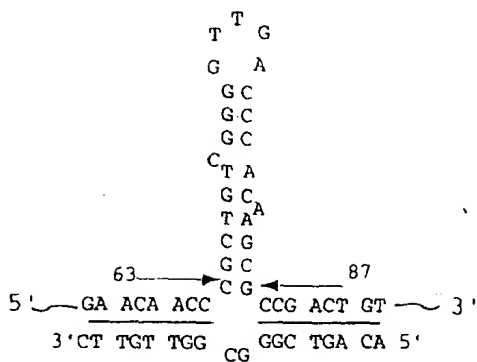




FIGURE 43A

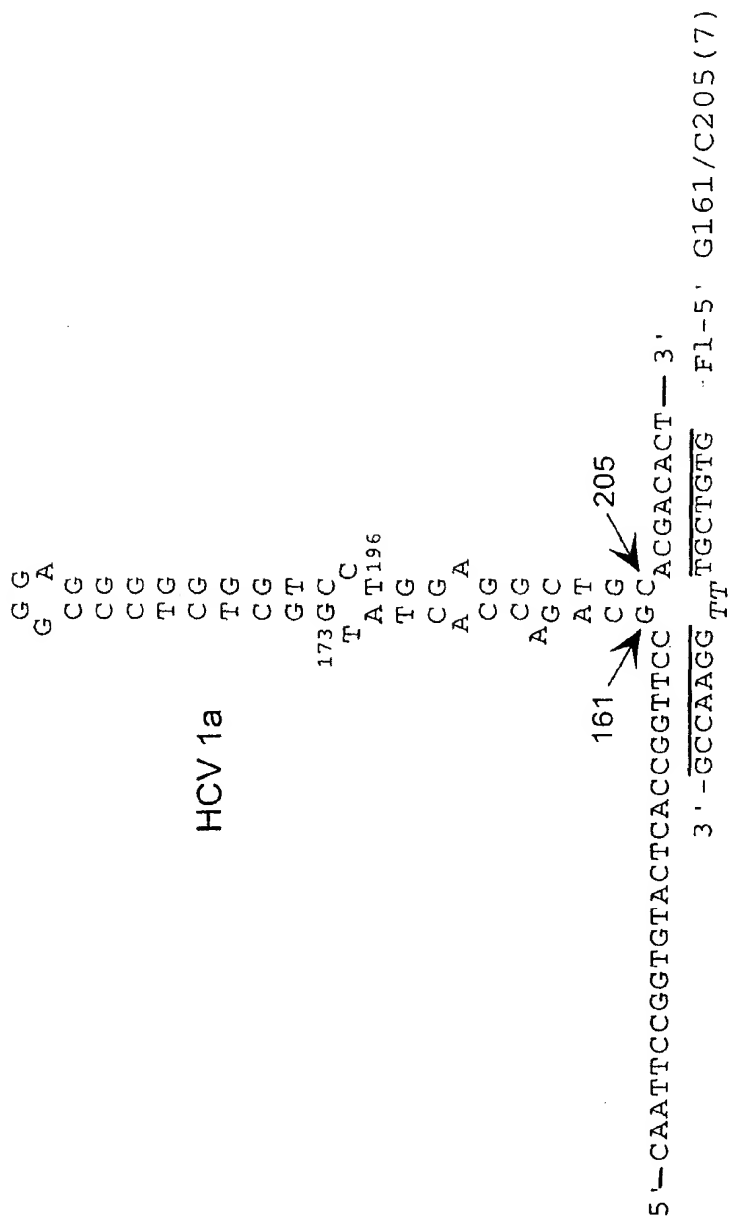
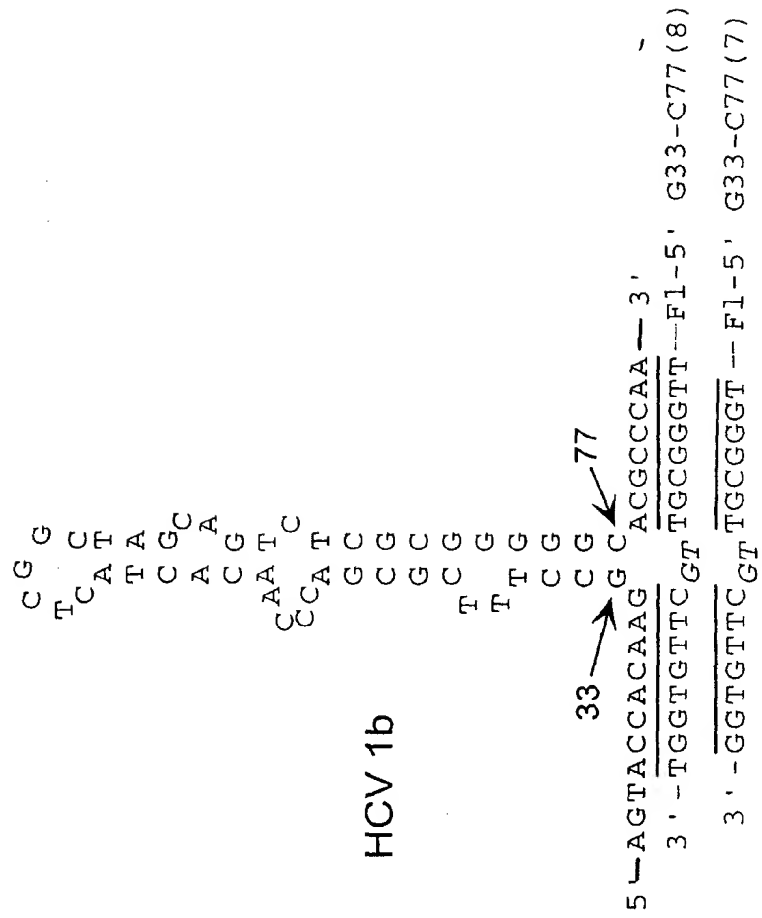




FIGURE 43B





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FIGURE 44A

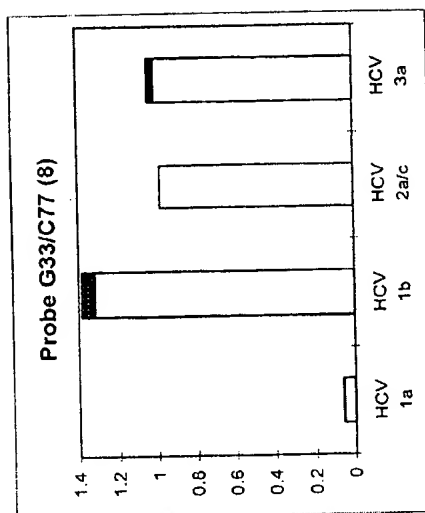




FIGURE 44B

